CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	AYANA C.B
Register No:	CCAWMCH012
Admission No:	11010
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

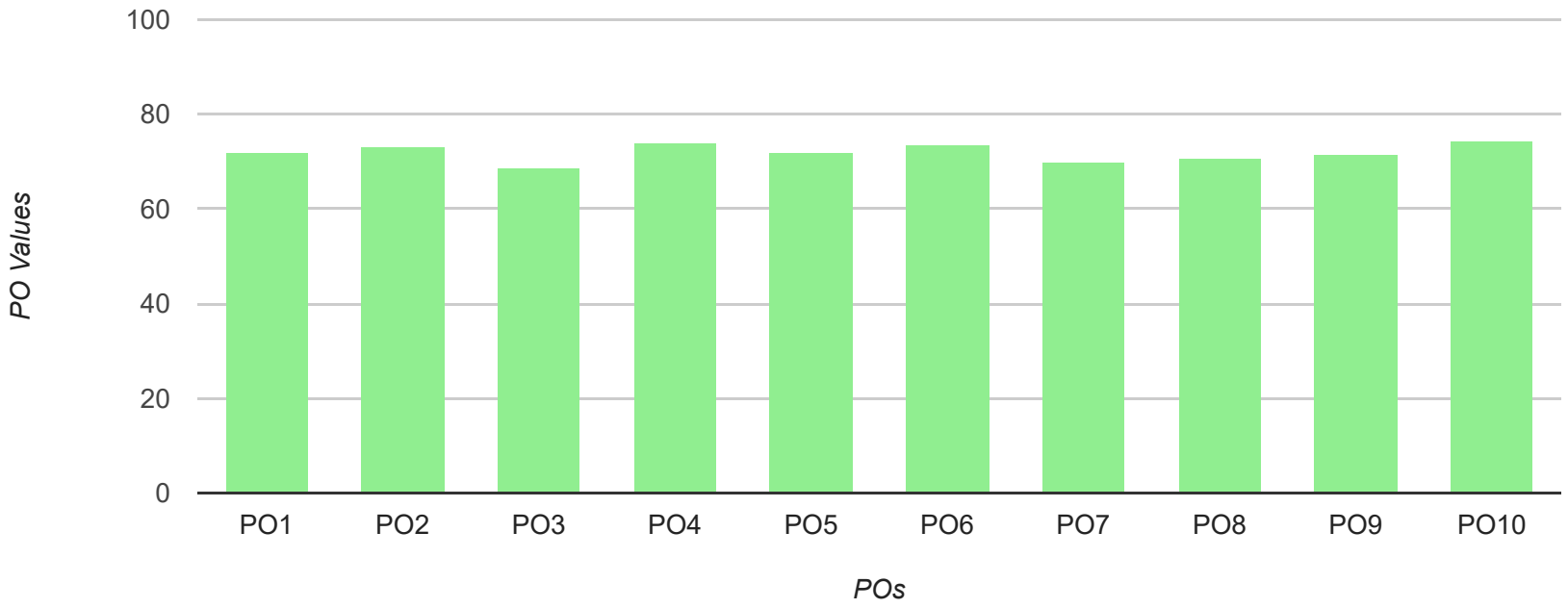
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF AYANA C.B										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	71.84	73.33	68.68	73.98	72.04	73.68	70.02	70.90	71.53	74.32

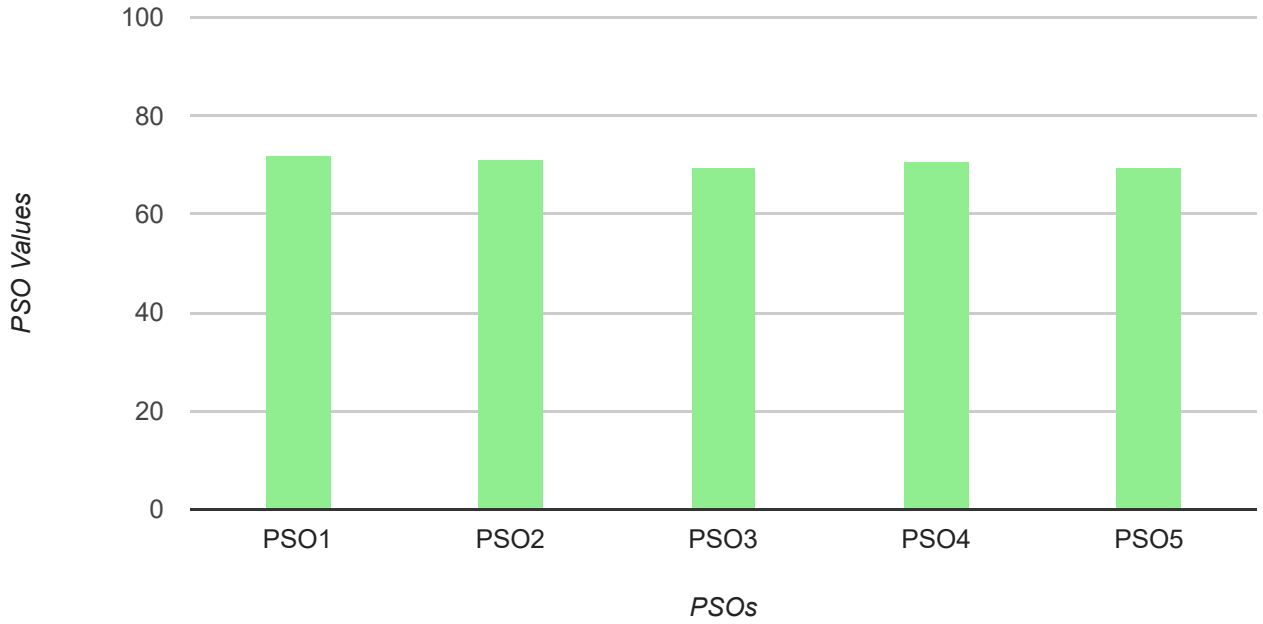


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF AYANA C.B					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	72.12	71.21	69.45	70.55	69.58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PSO Values
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PSO2
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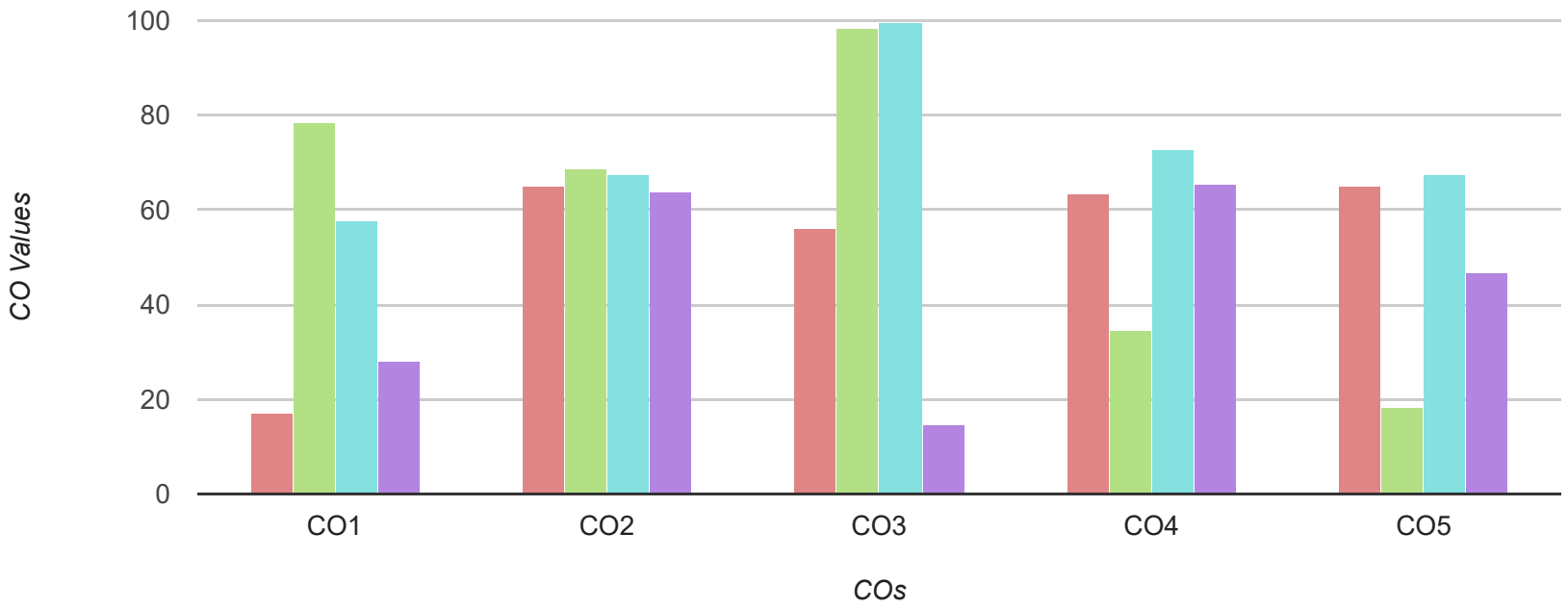
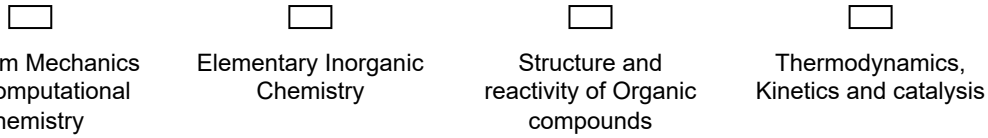
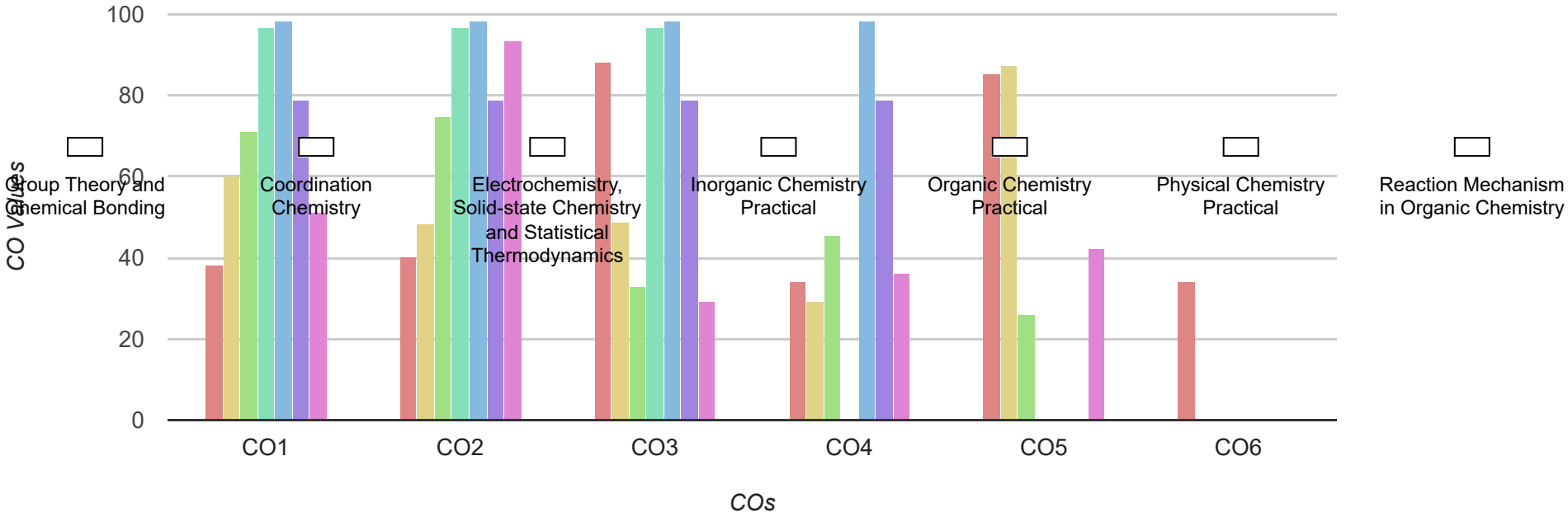
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	16.96	64.96	56.07	63.51	64.96	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	78.40	68.53	98.40	34.40	18.40	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	57.60	67.60	99.60	72.93	67.60	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	28.00	64.00	14.67	65.33	46.67	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	38.35	40.21	88.12	34.08	85.28	34.08
Coordination Chemistry	**CC19PCHE2C06**	60.00	48.53	48.80	29.33	87.20	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	71.20	74.77	32.80	45.60	26.13	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	96.67	96.67	96.67			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.29	98.29	98.29	98.29		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	78.72	78.72	78.72	78.72		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	51.13	93.33	29.33	36.00	42.13	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CO Values
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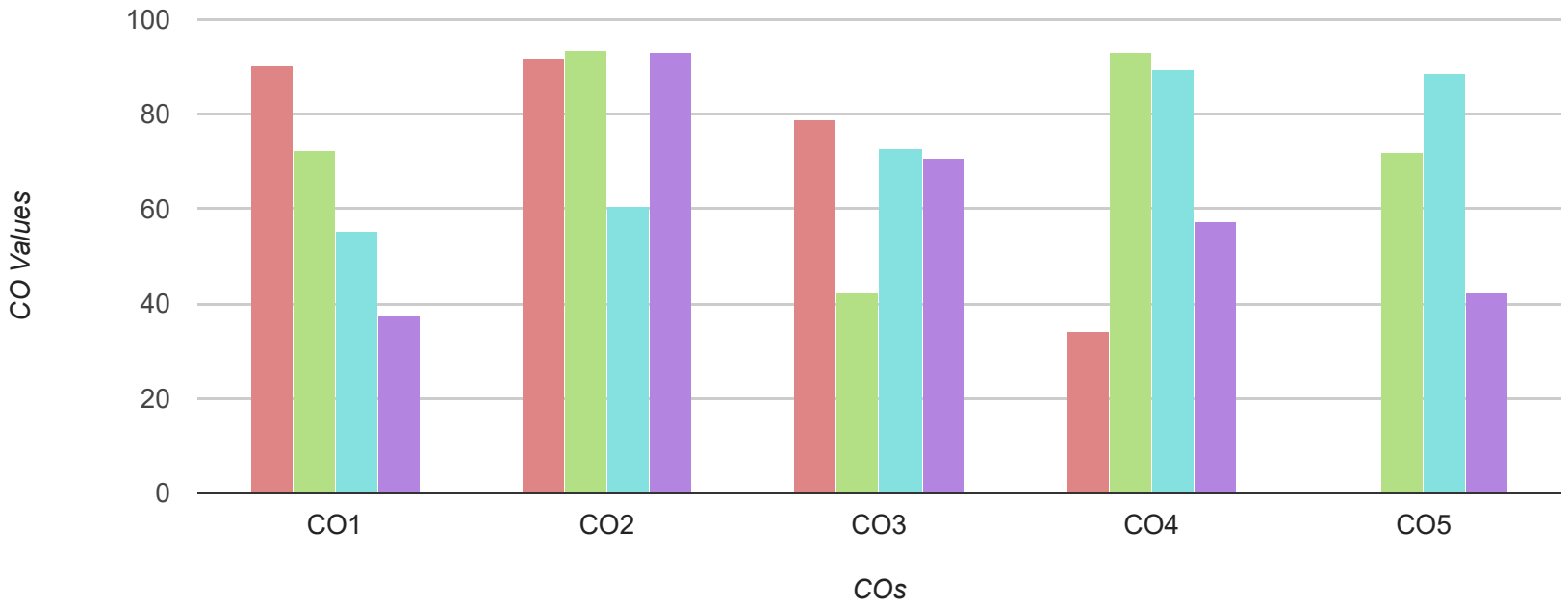
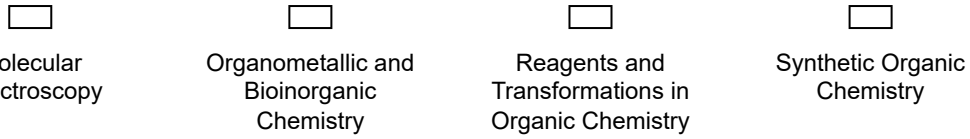
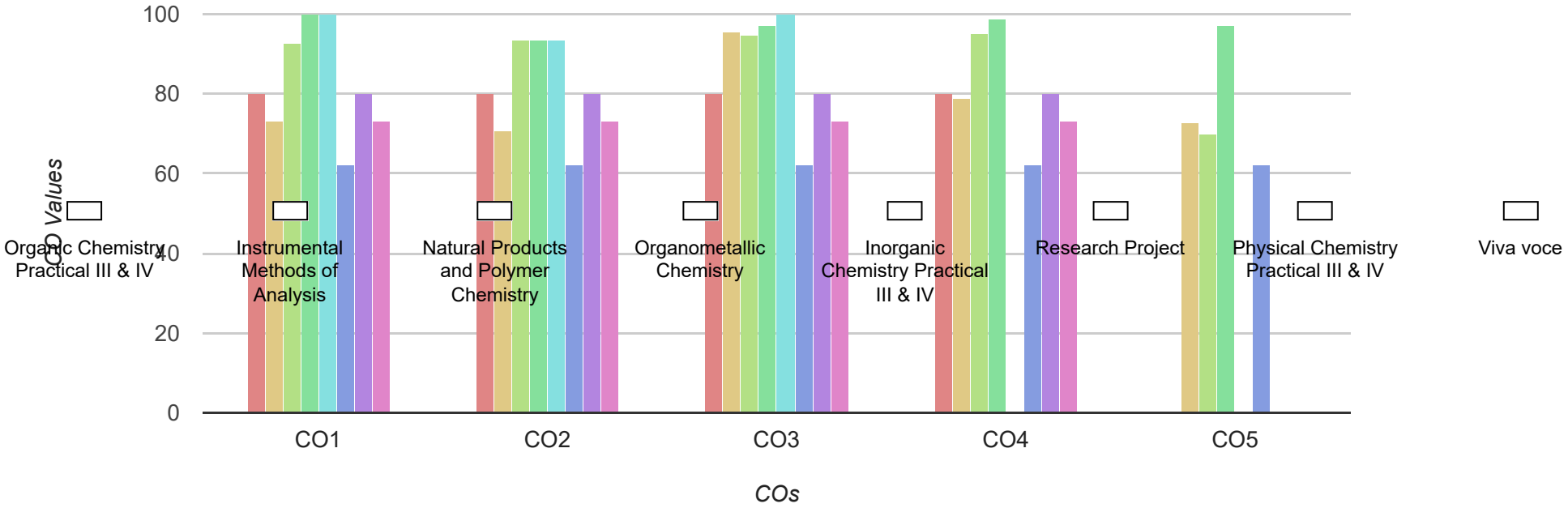
COs
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	90.34	91.94	78.87	34.08		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	72.27	93.68	42.13	92.89	71.93	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	55.20	60.53	72.80	89.33	88.80	
Synthetic Organic Chemistry	**CC19PCHE3E01**	37.42	92.89	70.93	57.33	42.13	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	80.00	80.00	80.00	80.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	73.24	70.65	95.73	79.00	72.74	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	92.78	93.57	94.64	95.00	70.00	
Organometallic Chemistry	**CC19PCHE4E08**	100.00	93.60	97.33	98.81	97.04	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	93.33	100.00			
Research Project	**CC19PCHE4P01**	62.08	62.08	62.08	62.08	62.08	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	73.33	73.33	73.33	73.33		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CO Values
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CO2
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ANDRIYA K.R
Register No:	CCAWMCH006
Admission No:	11478
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

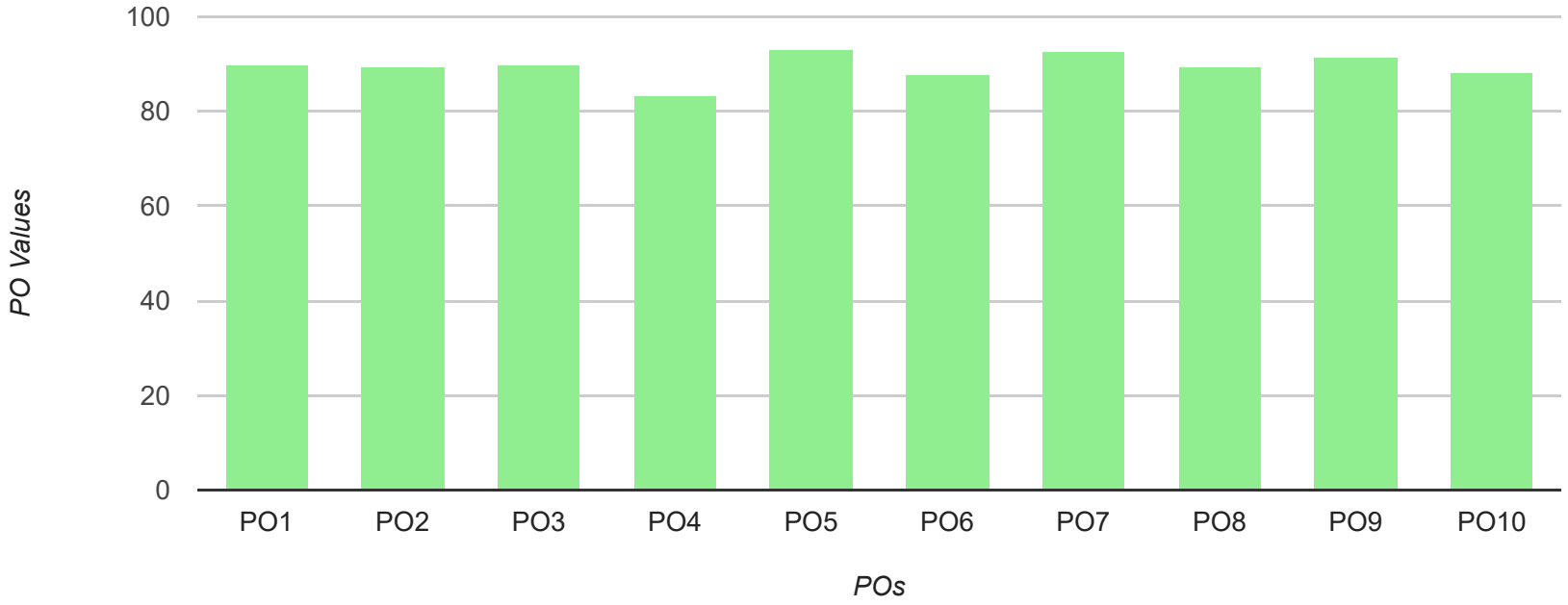
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANDRIYA K.R										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	89.65	89.36	89.95	83.48	93.04	87.65	92.69	89.38	91.33	88.12

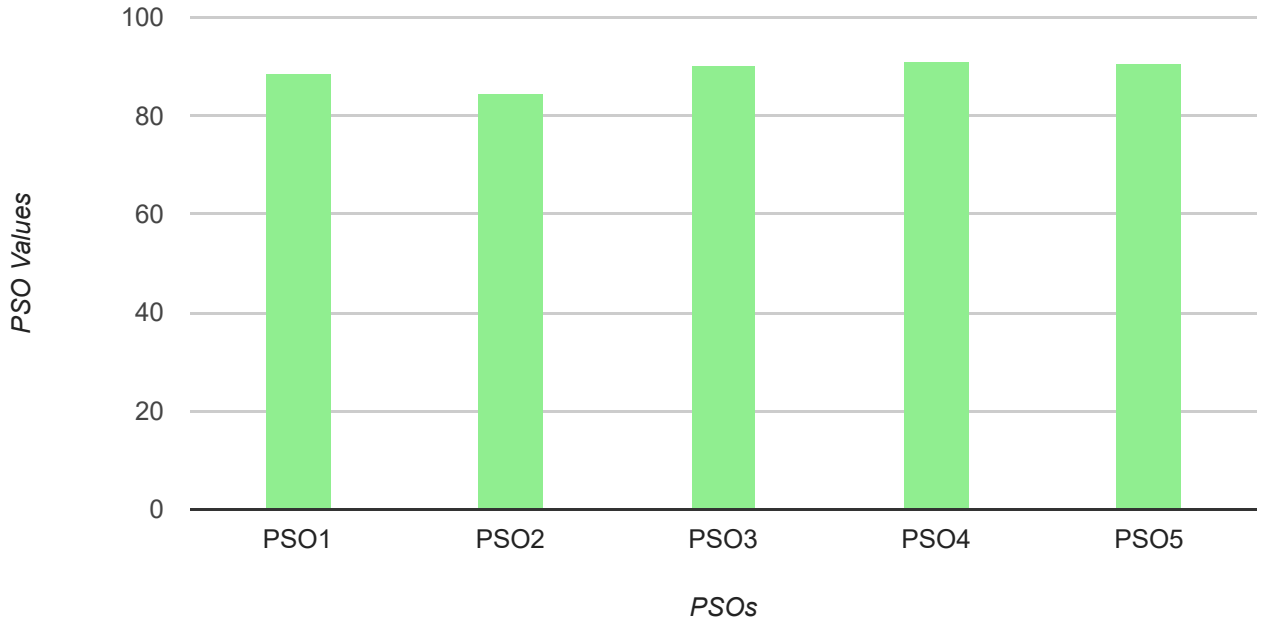


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANDRIYA K.R					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	88.46	84.66	90.41	91.20	90.73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PSO Values
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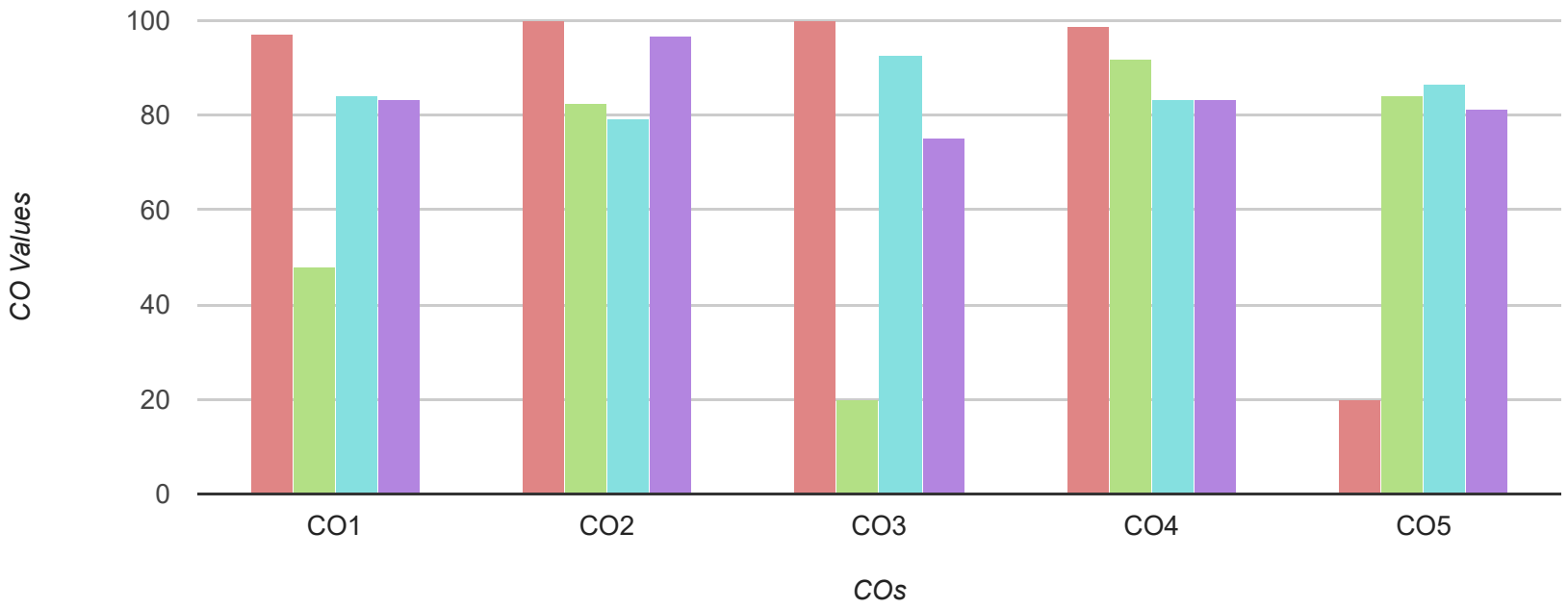
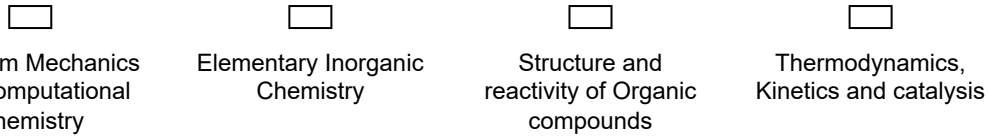
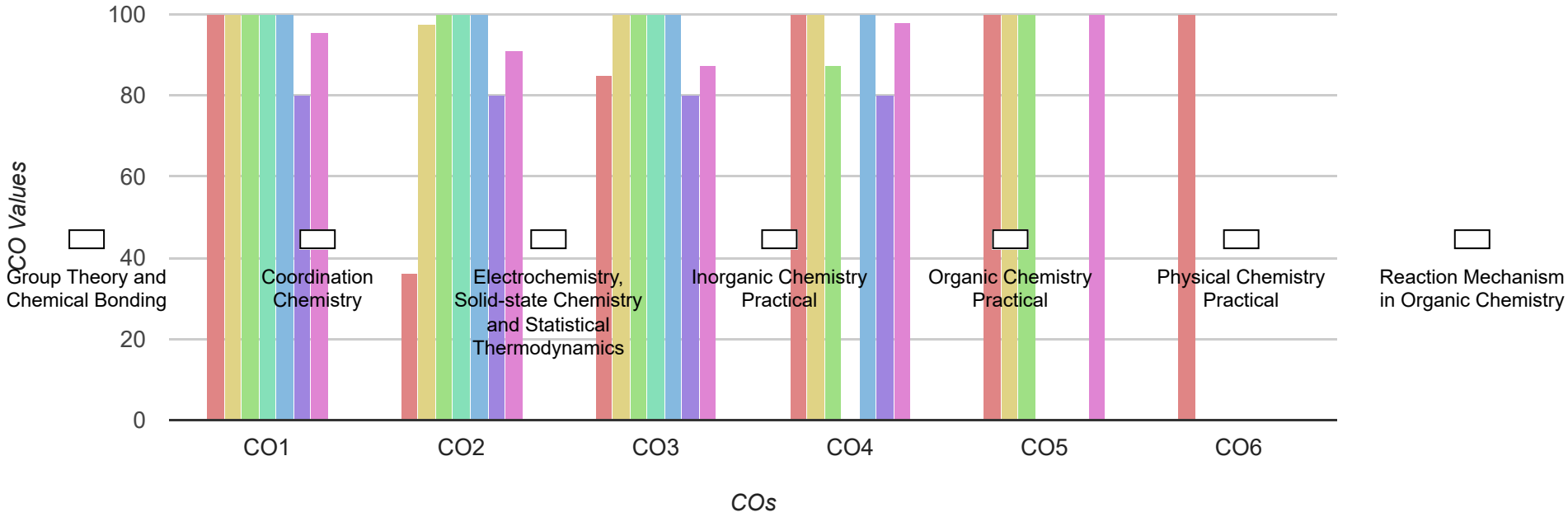
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	97.17	99.84	99.84	98.70	19.84	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	48.00	82.61	20.00	92.00	84.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	84.20	79.20	92.80	83.20	86.40	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	83.20	96.74	75.20	83.20	81.20	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	36.00	84.87	100.00	100.00	100.00
Coordination Chemistry	**CC19PCHE2C06**	100.00	97.44	100.00	100.00	100.00	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	100.00	100.00	100.00	87.20	100.00	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	100.00	100.00	100.00		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	95.73	90.86	87.20	98.17	100.00	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CO Values
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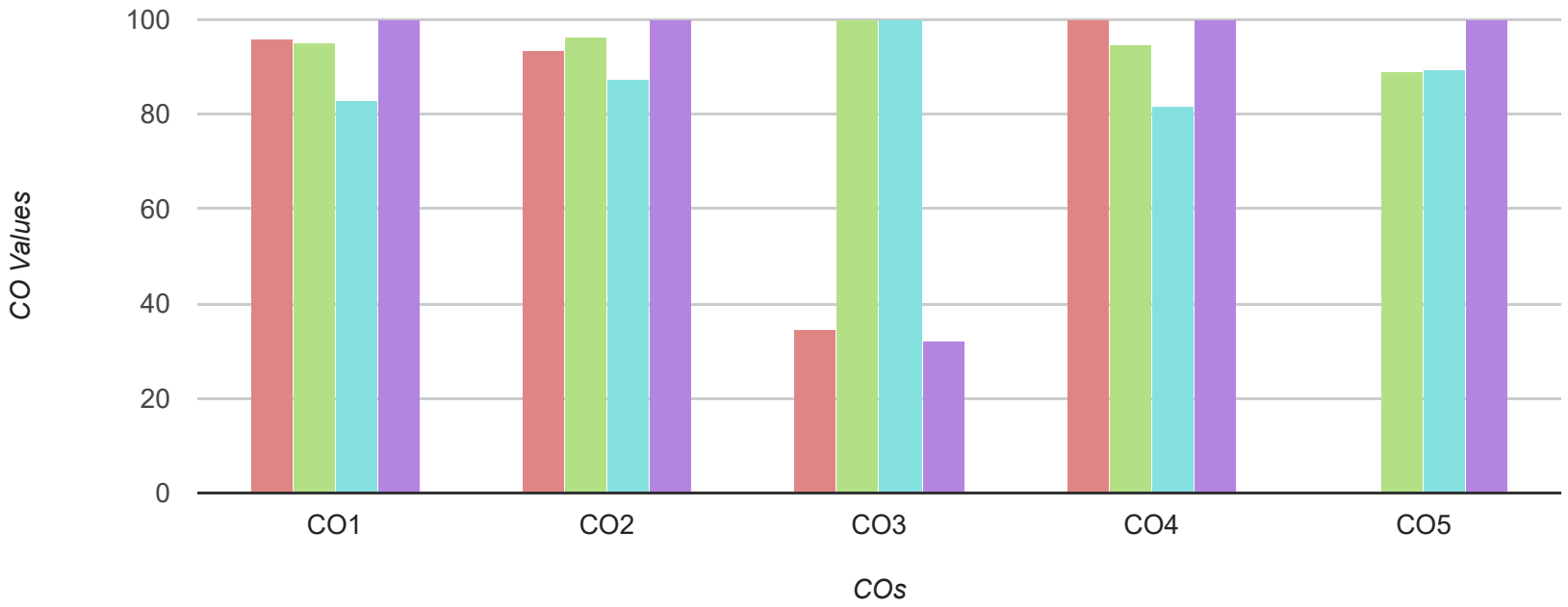
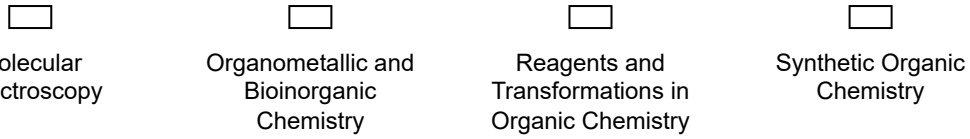
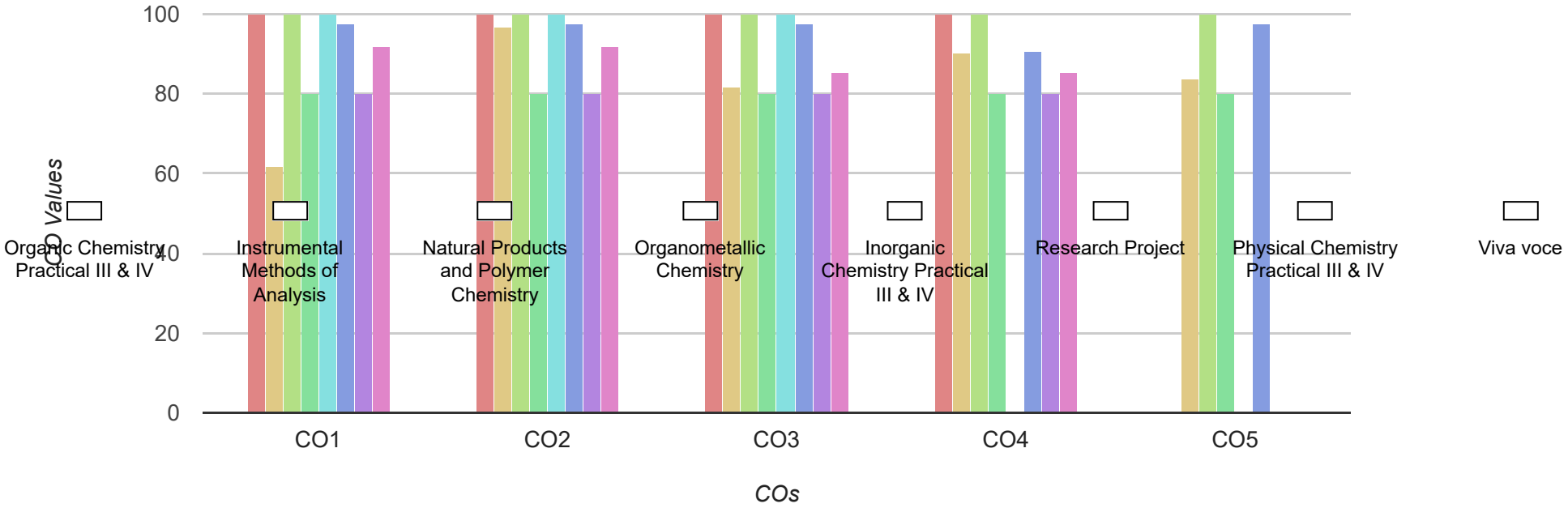
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	95.90	93.50	34.62	99.90		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	95.08	96.24	100.00	94.67	88.95	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	82.93	87.20	100.00	81.71	89.33	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	100.00	32.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	61.83	96.59	81.87	90.40	83.71	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	100.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	80.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	97.44	97.44	97.44	90.77	97.44	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	92.00	92.00	85.33	85.33		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	AARSHA AUGUSTINE
Register No:	CCAWMCH001
Admission No:	11472
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

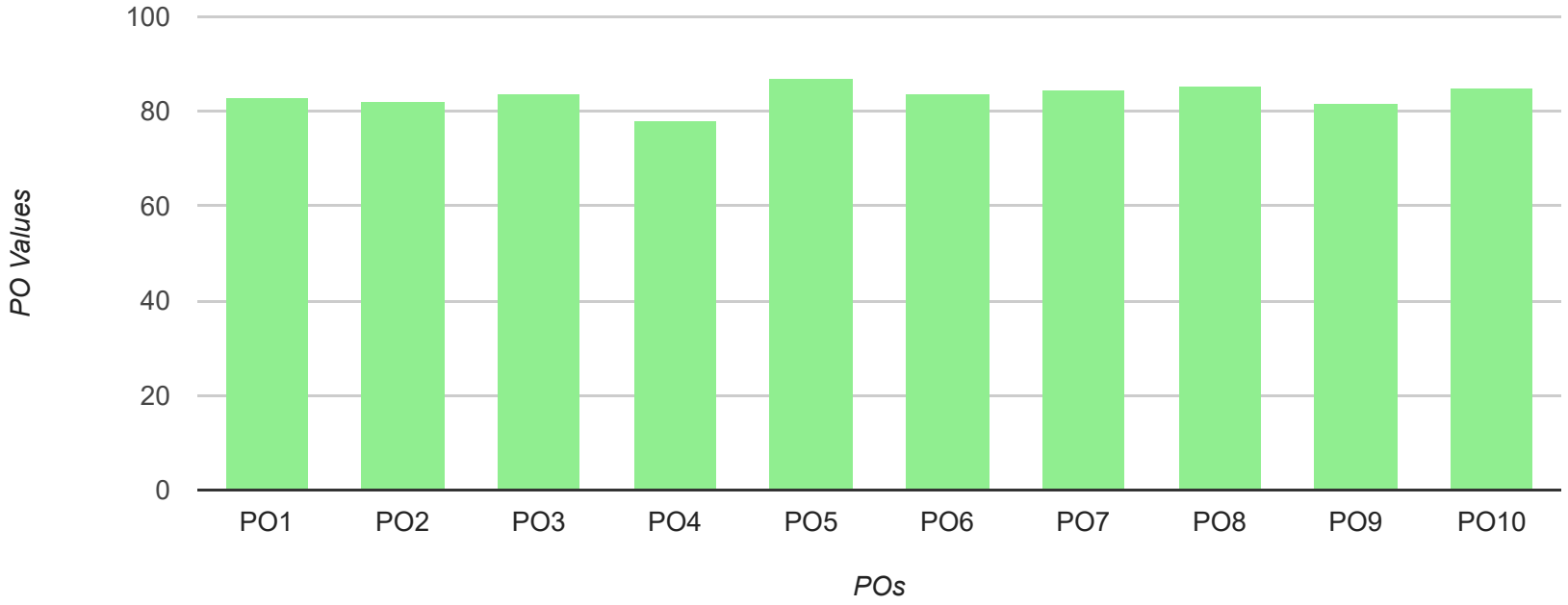
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF AARSHA AUGUSTINE										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	83.04	82.06	83.69	78.04	87.01	83.87	84.65	85.43	81.84	84.97

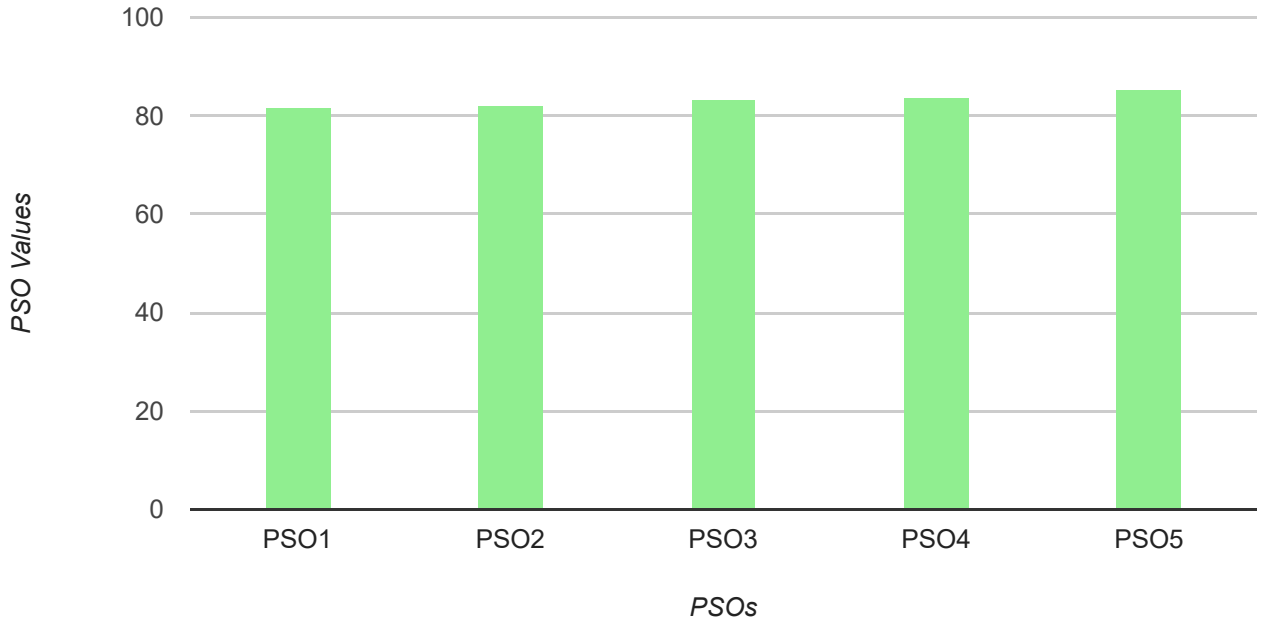


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF AARSHA AUGUSTINE					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	81.70	82.28	83.49	83.94	85.48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PSO Values
PSO1
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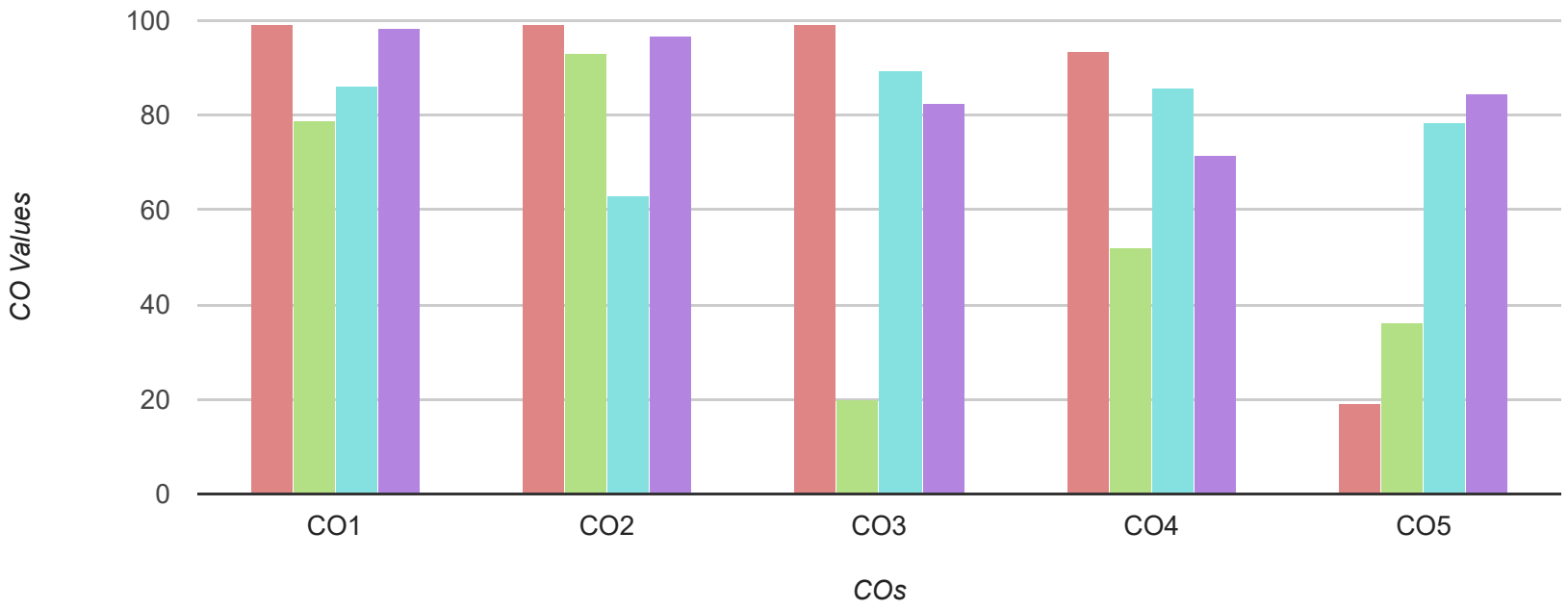
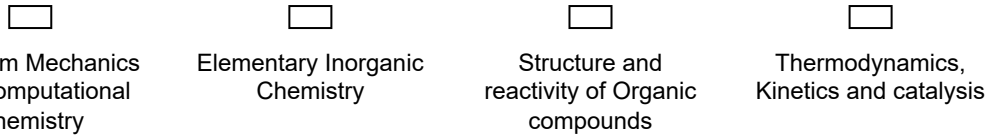
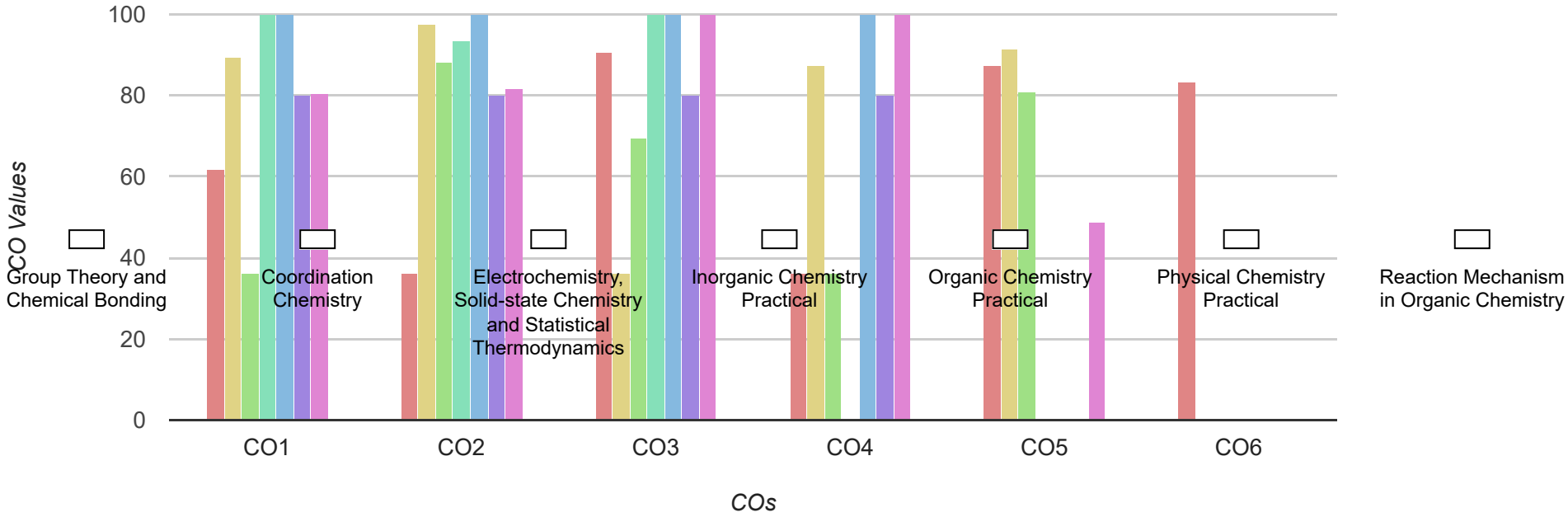
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.28	99.28	99.28	93.46	19.28	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	78.67	93.00	20.00	52.00	36.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	86.11	62.84	89.60	85.87	78.63	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	98.40	96.80	82.40	71.73	84.40	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	61.60	36.00	90.69	36.00	87.20	83.26
Coordination Chemistry	**CC19PCHE2C06**	89.53	97.44	36.00	87.20	91.47	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	36.00	88.36	69.33	36.00	80.80	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	93.33	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	100.00	100.00	100.00		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	80.37	81.71	100.00	100.00	48.80	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CO Values
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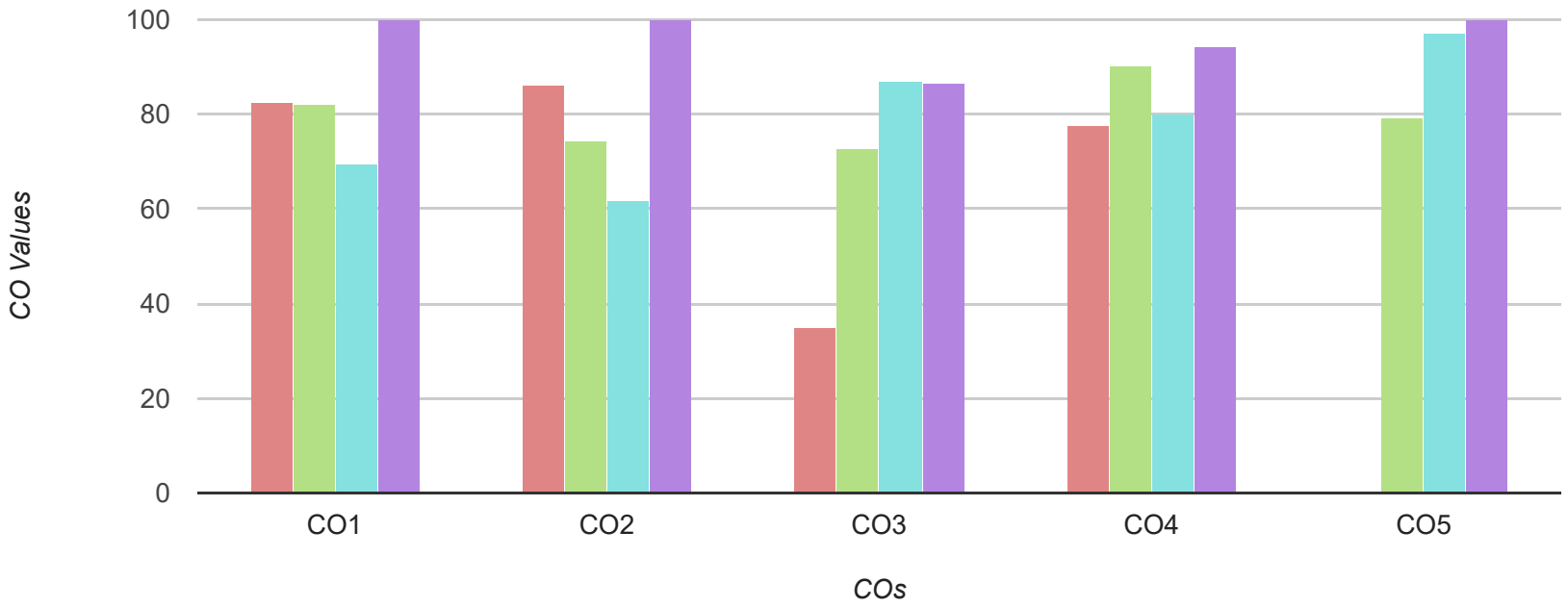
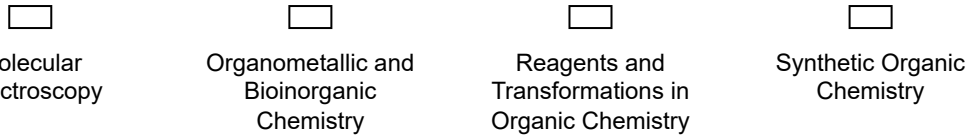
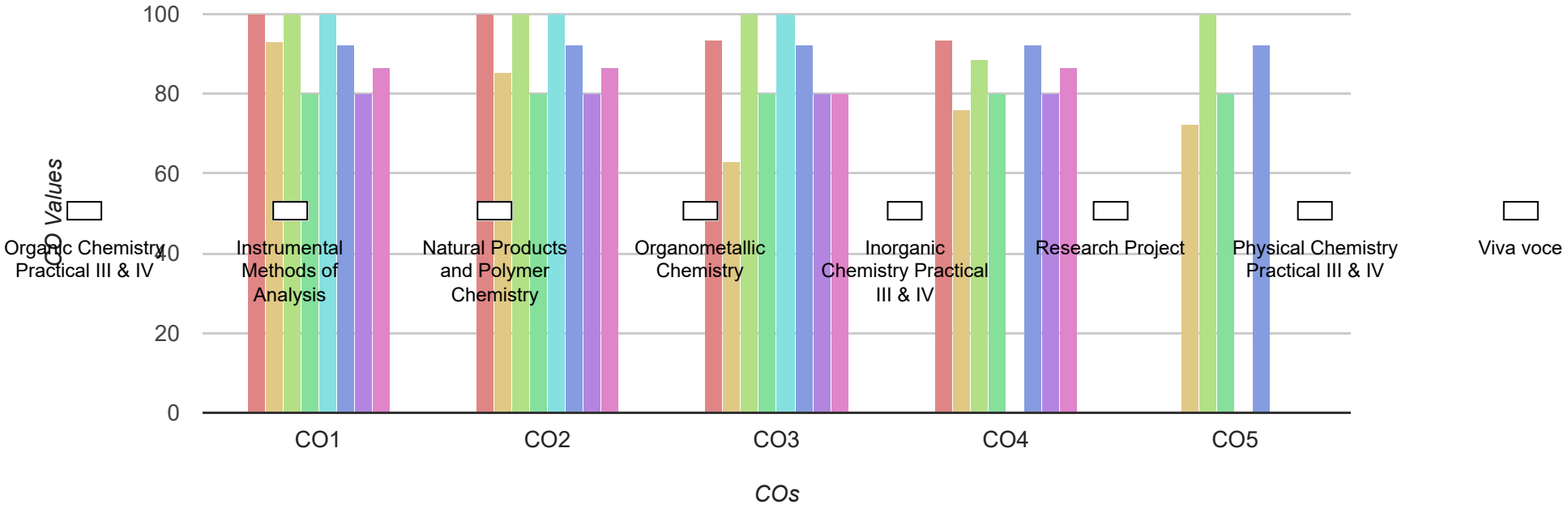
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	82.61	86.27	35.07	77.74		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	82.08	74.40	72.80	90.15	79.28	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	69.60	61.60	87.10	80.00	97.16	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	100.00	86.40	94.18	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	93.33	93.33		
Instrumental Methods of Analysis	**CC19PCHE4C12**	93.11	85.23	63.04	76.00	72.53	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	88.46	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	80.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	92.32	92.32	92.32	92.32	92.32	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	86.67	86.67	80.00	86.67		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ALEENA VARGHESE
Register No:	CCAWMCH004
Admission No:	11476
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

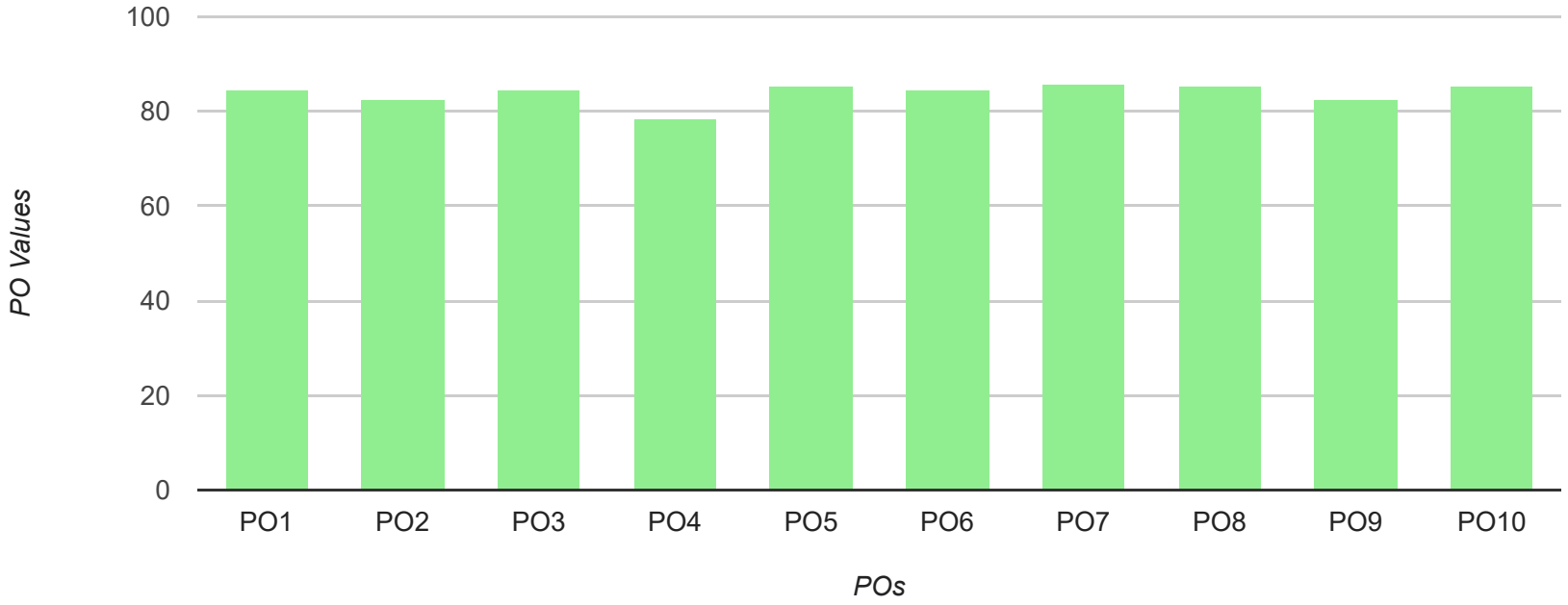
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ALEENA VARGHESE										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	84.57	82.59	84.60	78.61	85.25	84.38	85.61	85.45	82.71	85.52

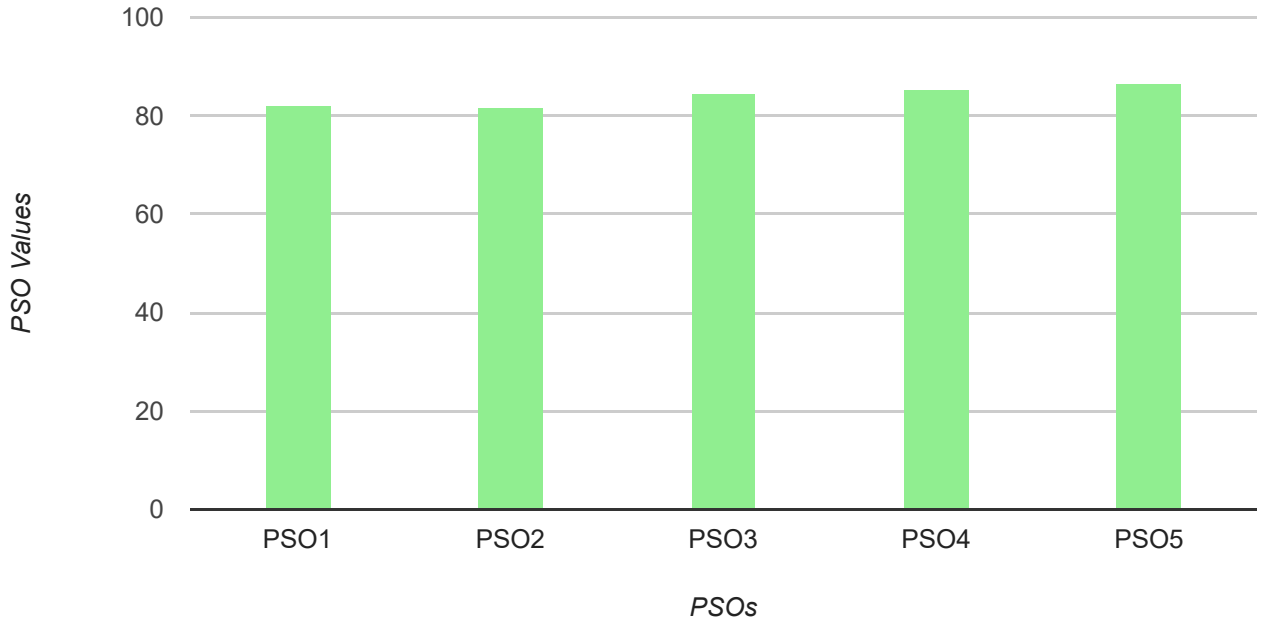


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ALEENA VARGHESE					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	82.01	81.79	84.38	85.51	86.60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PSO Values
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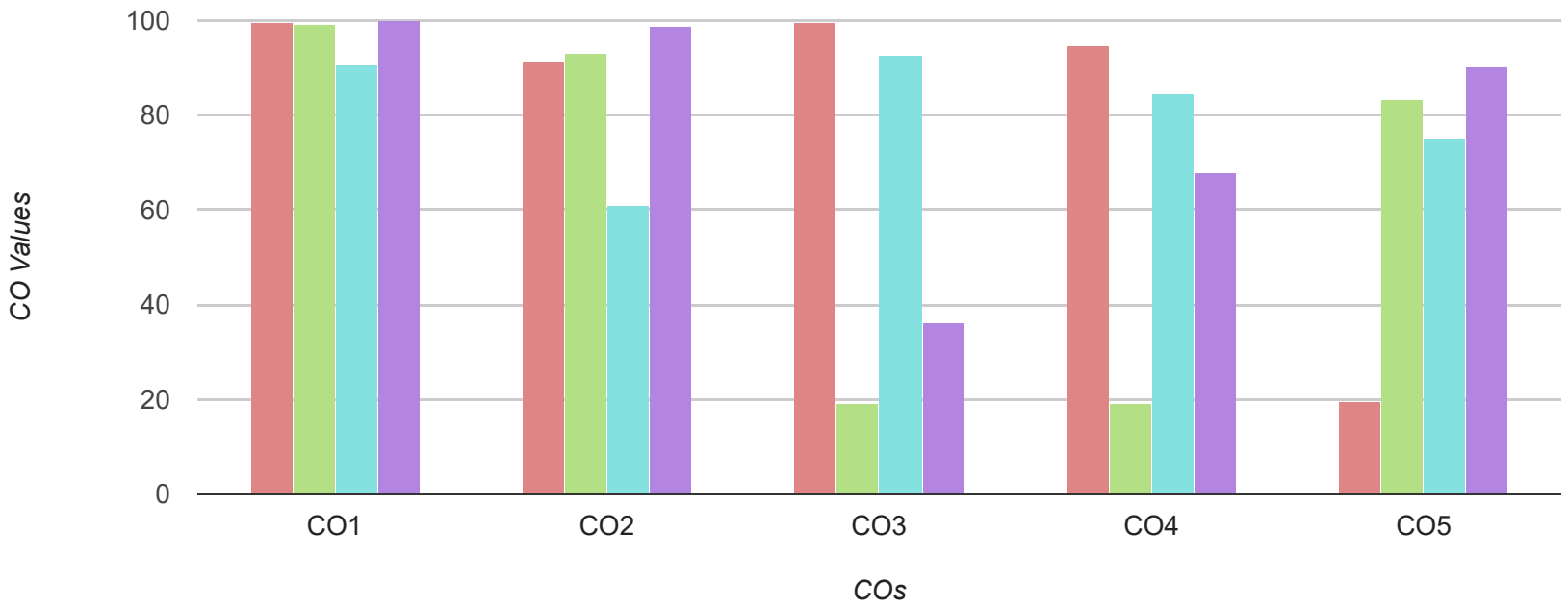
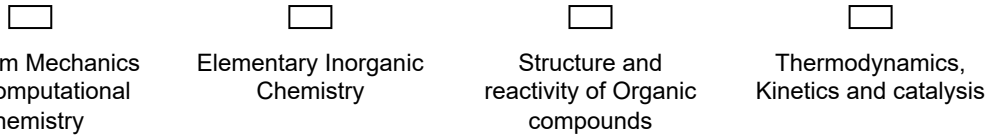
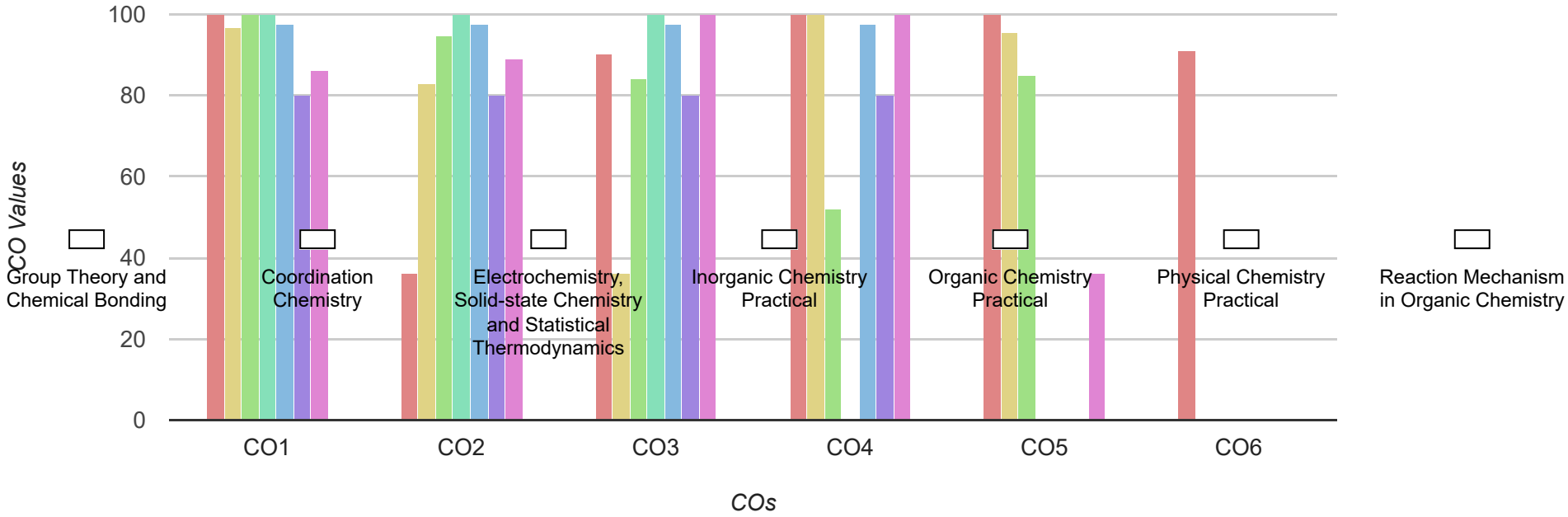
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.48	91.48	99.48	94.91	19.48	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	99.20	93.20	19.20	19.20	83.20	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	90.47	60.80	92.80	84.65	75.20	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	98.77	36.00	68.00	90.40	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	36.00	90.40	100.00	100.00	91.14
Coordination Chemistry	**CC19PCHE2C06**	96.80	82.93	36.00	100.00	95.73	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	100.00	94.88	84.00	52.00	85.07	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	97.44	97.44	97.44	97.44		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	86.35	89.03	100.00	100.00	36.00	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CO Values
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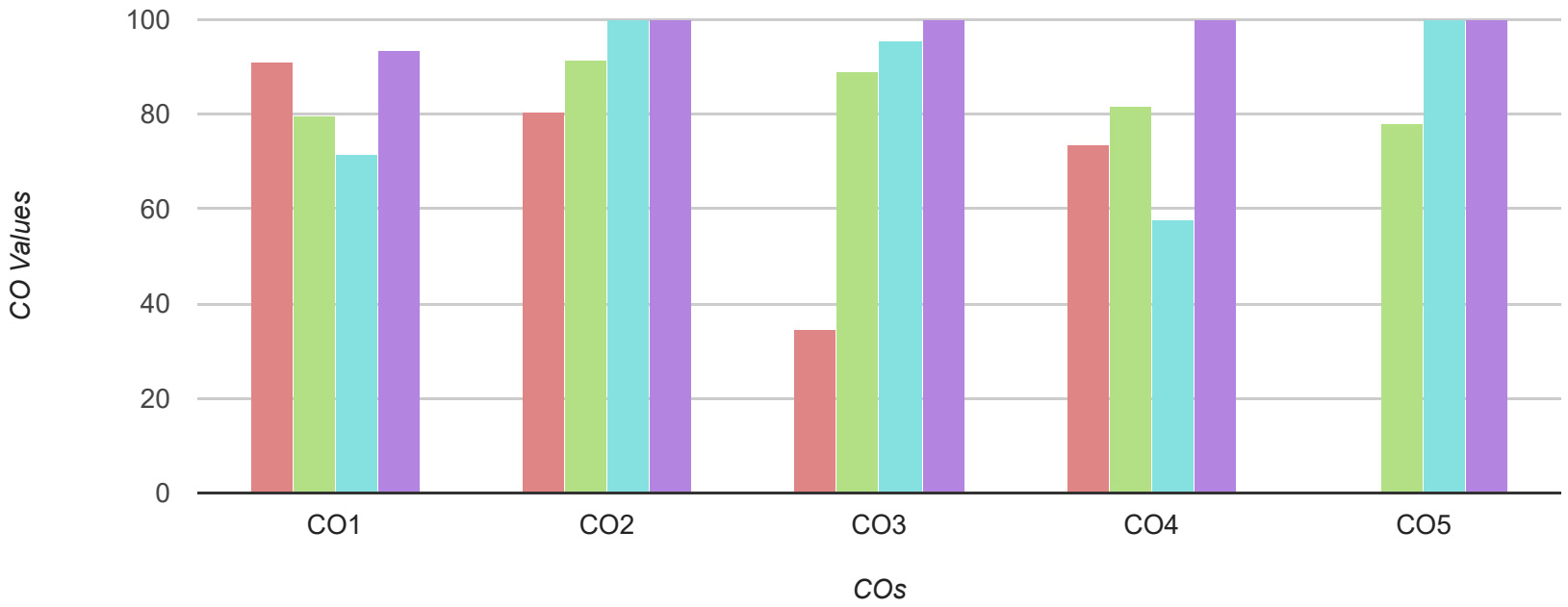
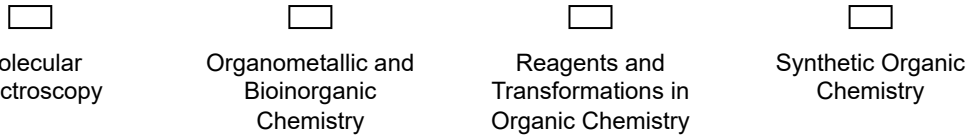
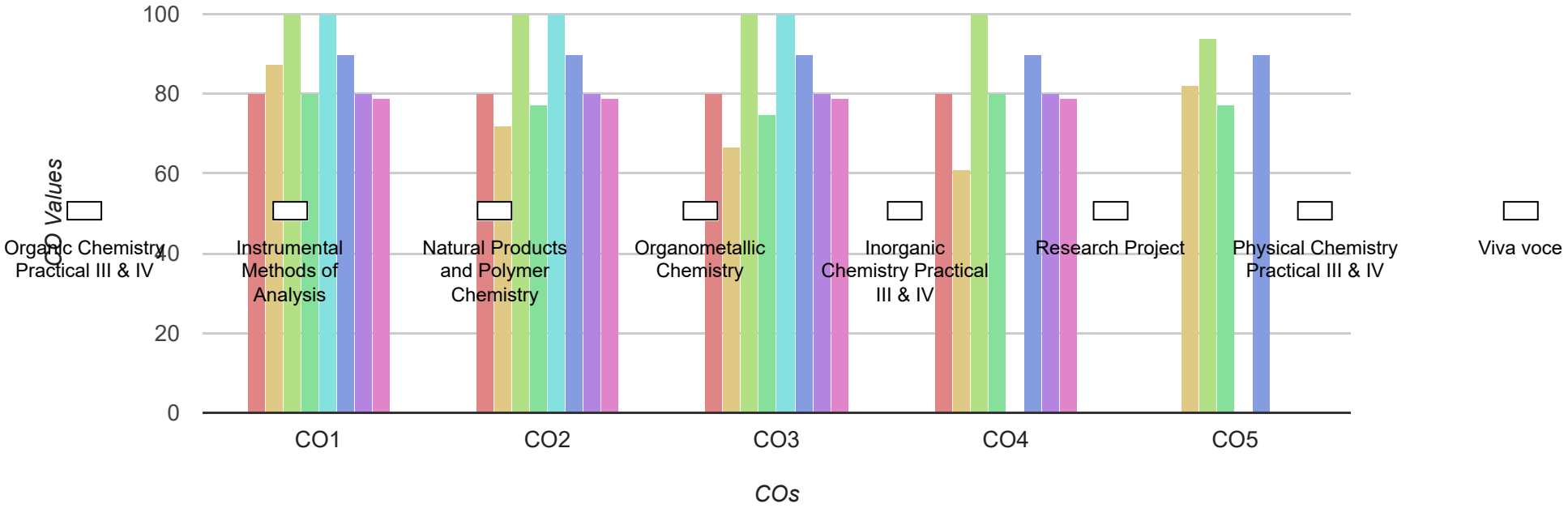
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	91.19	80.36	34.72	73.76		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	79.73	91.27	89.03	81.87	77.96	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	71.56	100.00	95.47	57.60	100.00	
Synthetic Organic Chemistry	**CC19PCHE3E01**	93.60	100.00	100.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	80.00	80.00	80.00	80.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	87.20	71.84	66.67	61.07	81.96	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	100.00	93.75	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	77.09	74.67	80.00	77.33	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	89.76	89.76	89.76	89.76	89.76	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	78.67	78.67	78.67	78.67		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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ATHIRA SUDEESH
Register No:	CCAWMCH011
Admission No:	11483
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

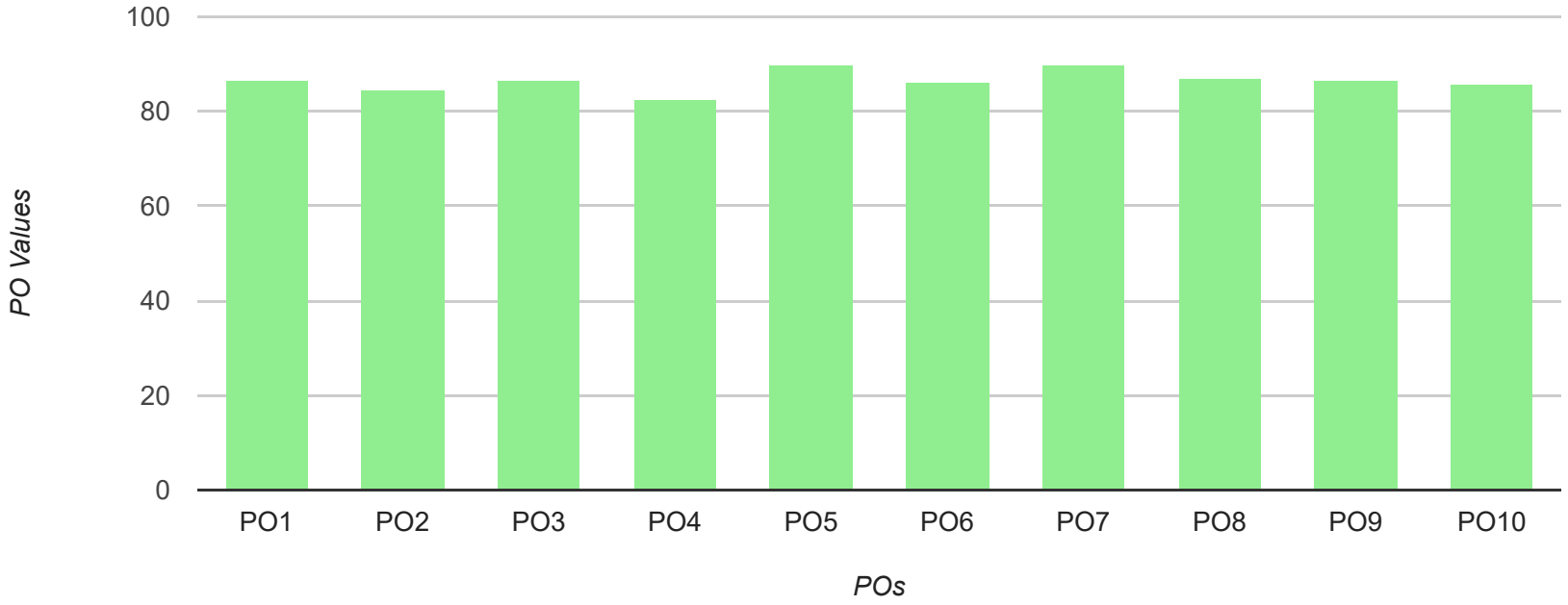
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ATHIRA SUDEESH										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	86.74	84.58	86.70	82.63	90.01	86.21	89.91	86.95	86.47	85.77

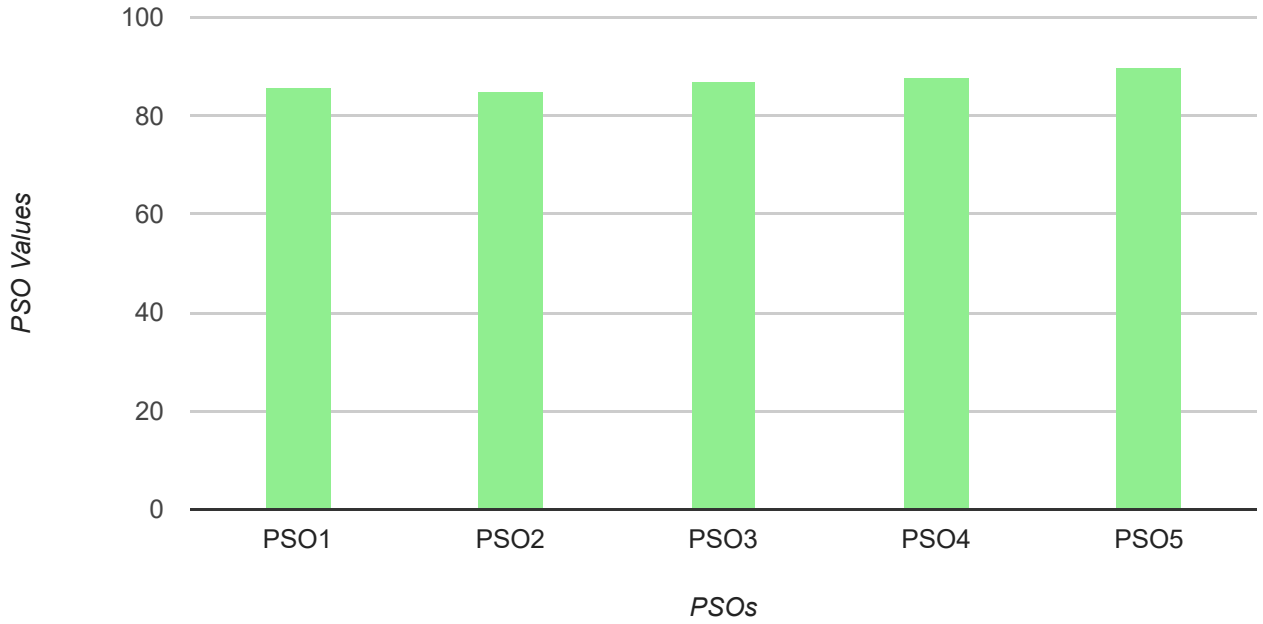


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ATHIRA SUDEESH					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	85.91	85.07	87.06	87.72	89.75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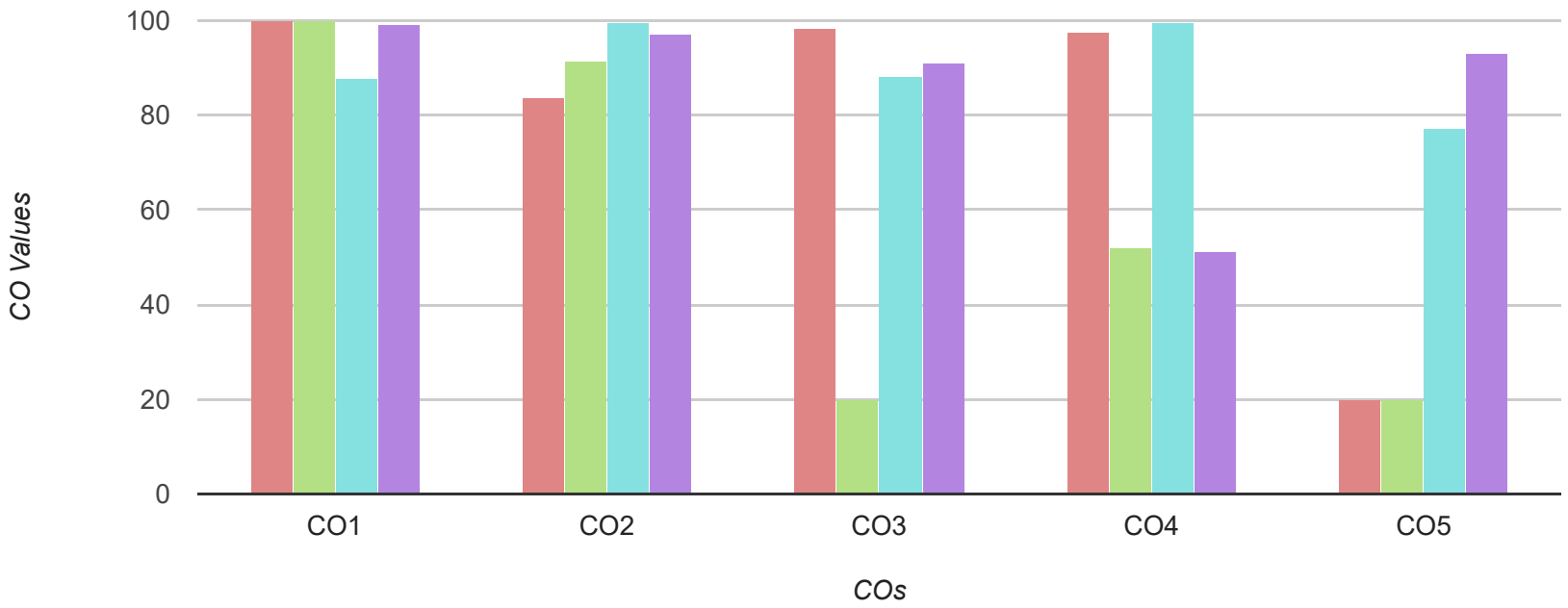
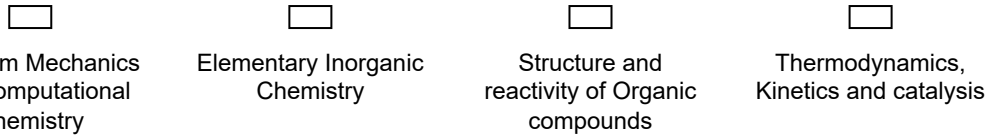
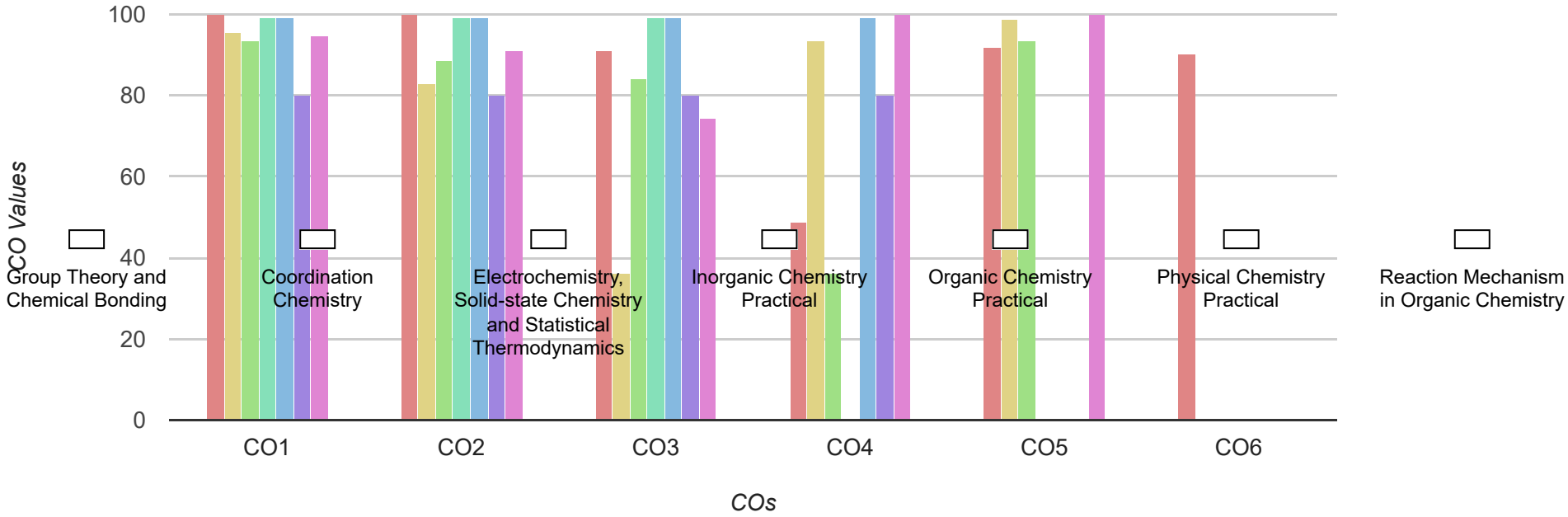
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.84	83.84	98.24	97.55	19.84	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	100.00	91.62	20.00	52.00	20.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	87.96	99.60	88.17	99.60	77.20	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.20	97.20	91.20	51.20	93.05	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	100.00	91.04	48.80	92.00	90.40
Coordination Chemistry	**CC19PCHE2C06**	95.35	82.93	36.00	93.60	98.58	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	93.60	88.48	84.00	36.00	93.60	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	99.23	99.23	99.23			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	99.15	99.15	99.15	99.15		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	94.67	90.86	74.40	100.00	100.00	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CO Values
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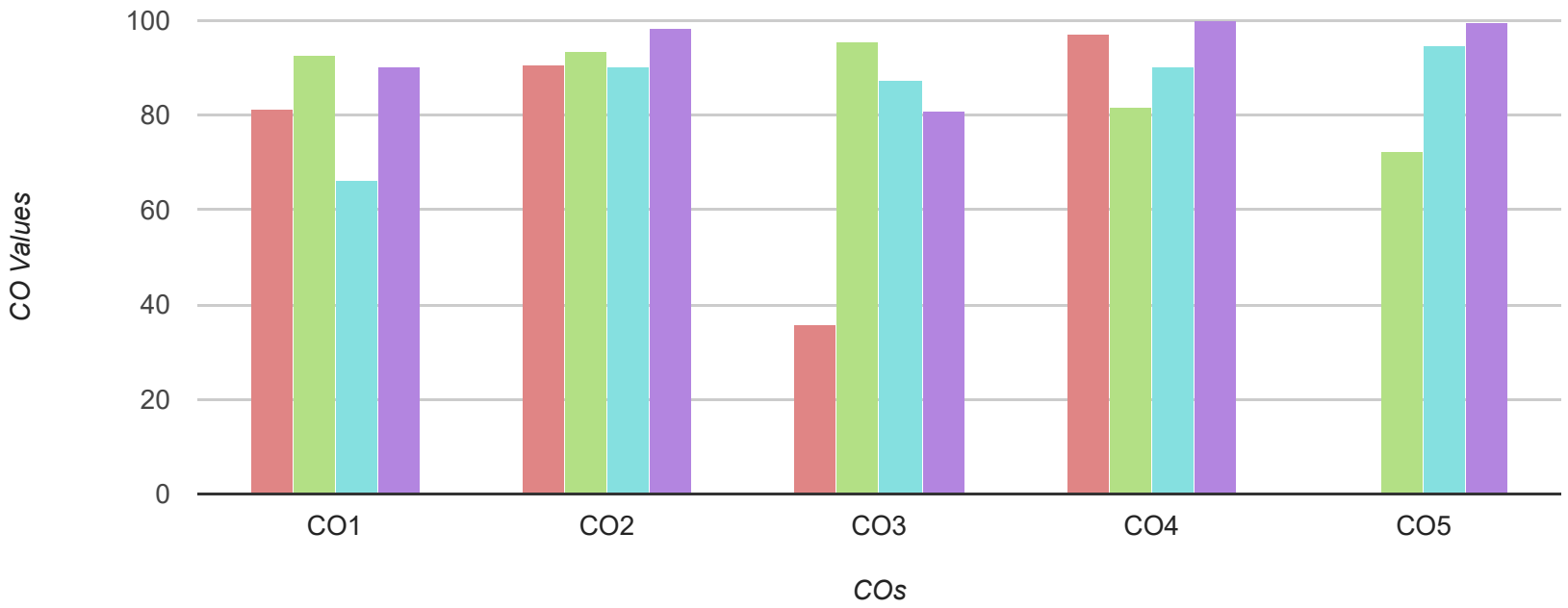
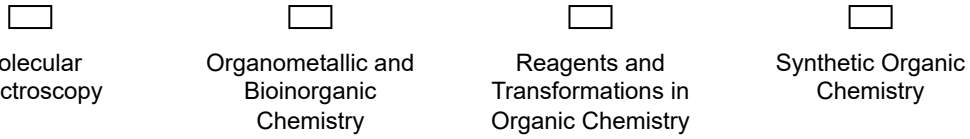
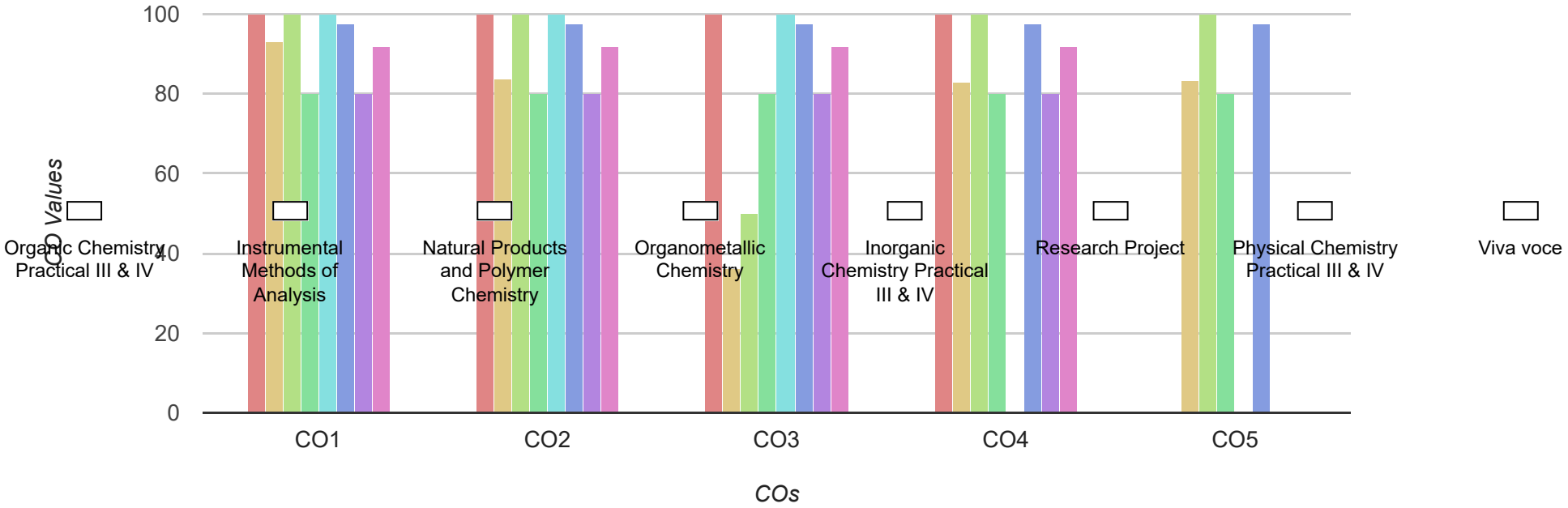
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	81.22	90.47	35.62	97.06		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	92.69	93.60	95.35	81.87	72.36	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	66.40	90.40	87.20	90.17	94.67	
Synthetic Organic Chemistry	**CC19PCHE3E01**	90.40	98.40	80.80	100.00	99.47	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	93.11	83.79	36.00	82.93	83.36	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	50.00	100.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	80.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	97.44	97.44	97.44	97.44	97.44	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	92.00	92.00	92.00	92.00		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CO Values
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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ATHIRA P B
Register No:	CCAWMCH010
Admission No:	11482
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

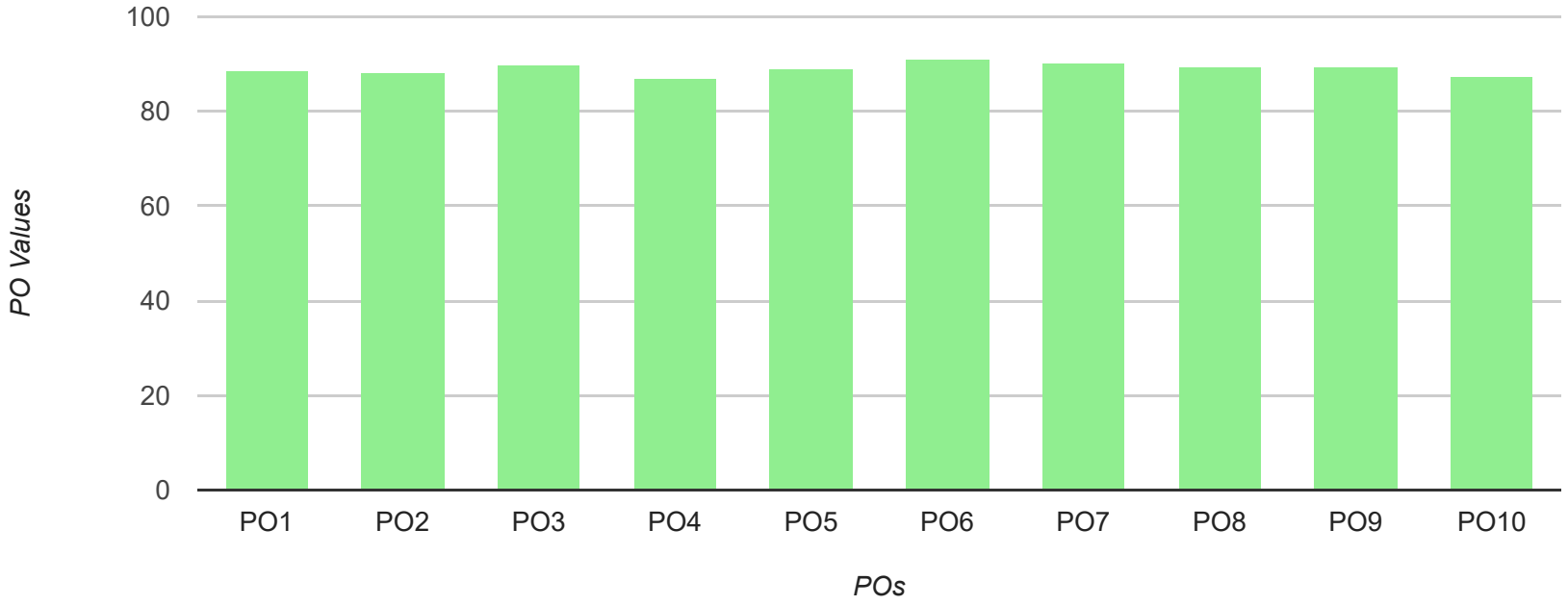
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ATHIRA P B										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	88.55	88.22	89.86	86.96	89.21	91.05	90.18	89.29	89.25	87.32

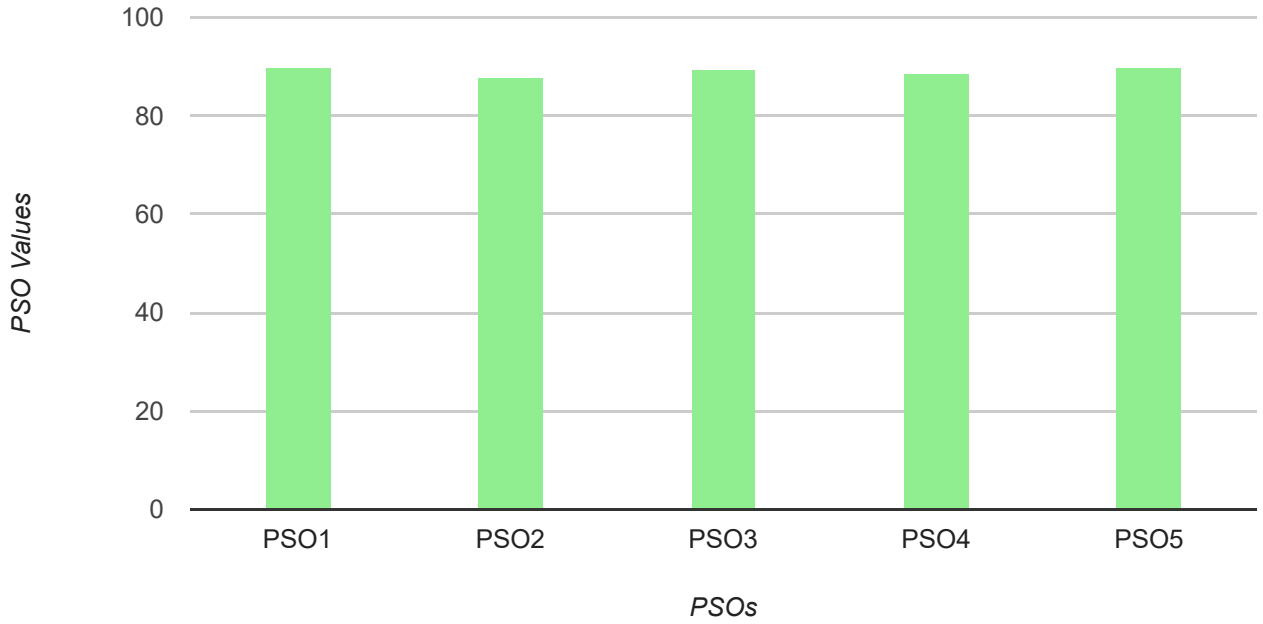


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ATHIRA P B					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	89.70	87.92	89.31	88.49	89.99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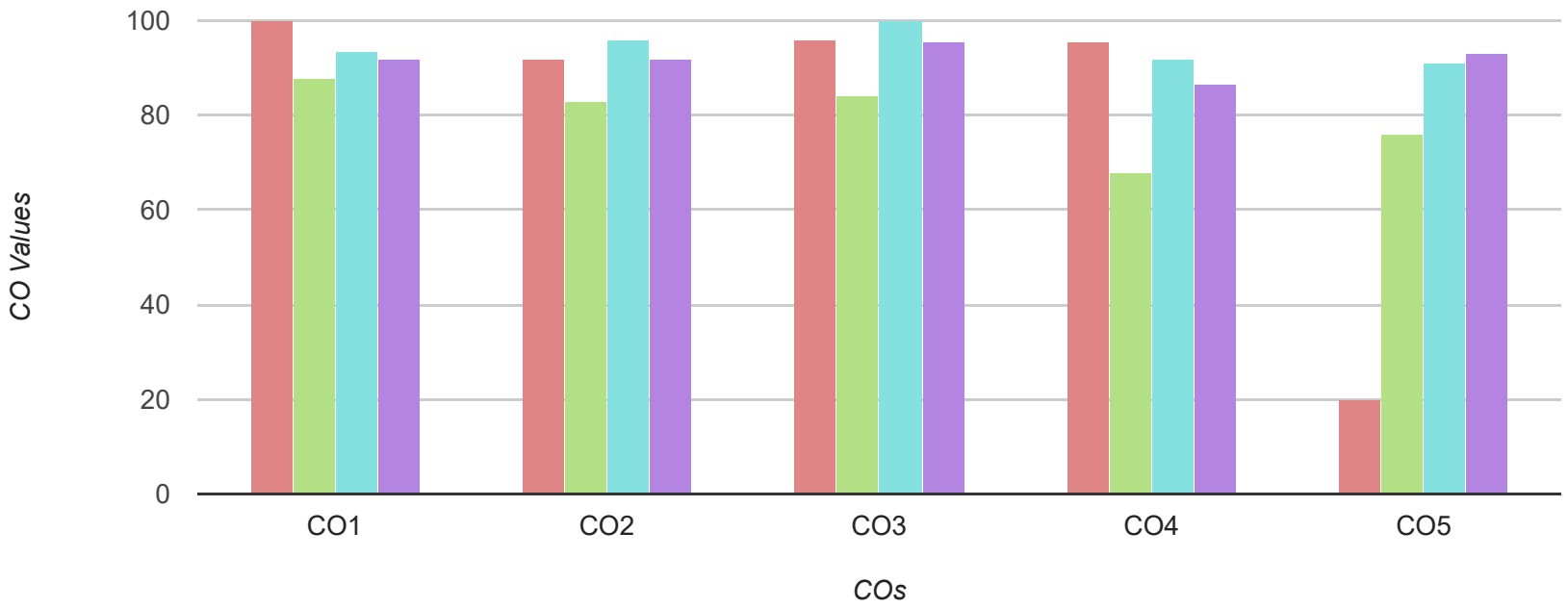
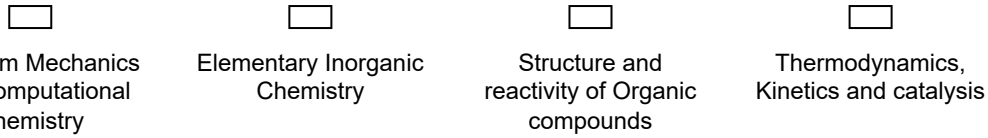
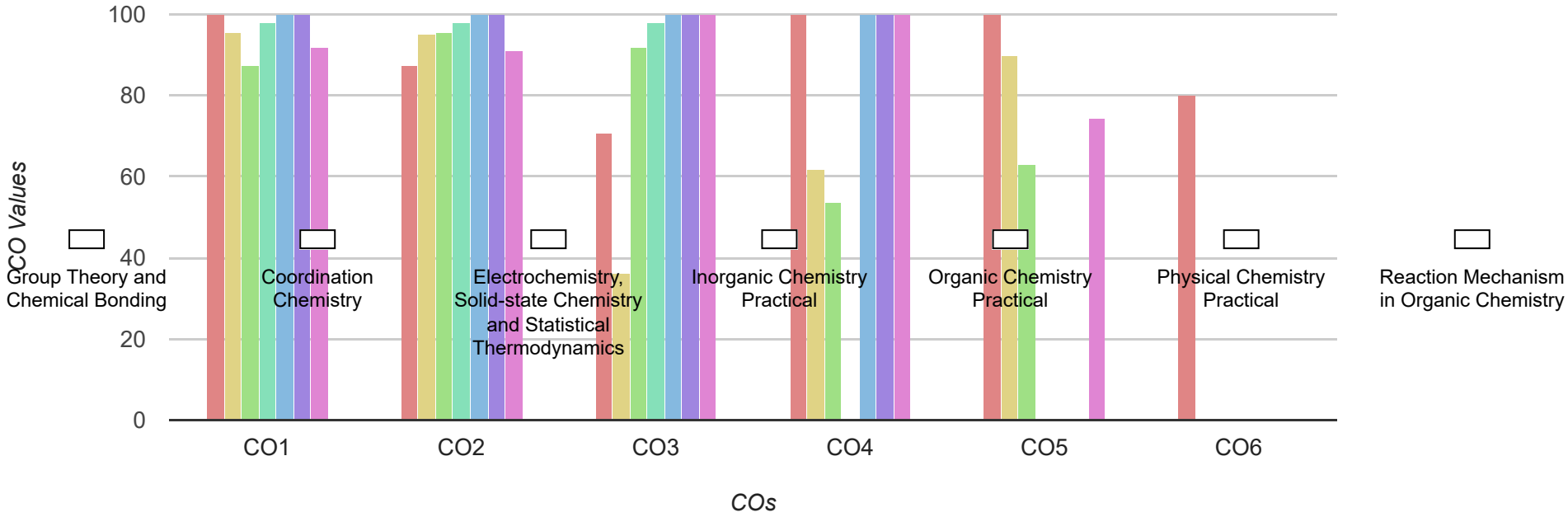
PSO Values
PSO1
PSO2
PSO3
PSO4
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.84	91.84	95.84	95.48	19.84	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	88.00	82.86	84.00	68.00	76.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	93.60	96.00	100.00	92.00	91.11	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	92.00	92.00	95.43	86.67	93.14	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	87.20	70.56	100.00	100.00	79.89
Coordination Chemistry	**CC19PCHE2C06**	95.73	95.20	36.00	61.60	90.04	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	87.20	95.73	92.00	53.60	63.02	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	97.95	97.95	97.95			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	100.00	100.00	100.00		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	91.77	90.86	100.00	100.00	74.40	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CO Values
CO1
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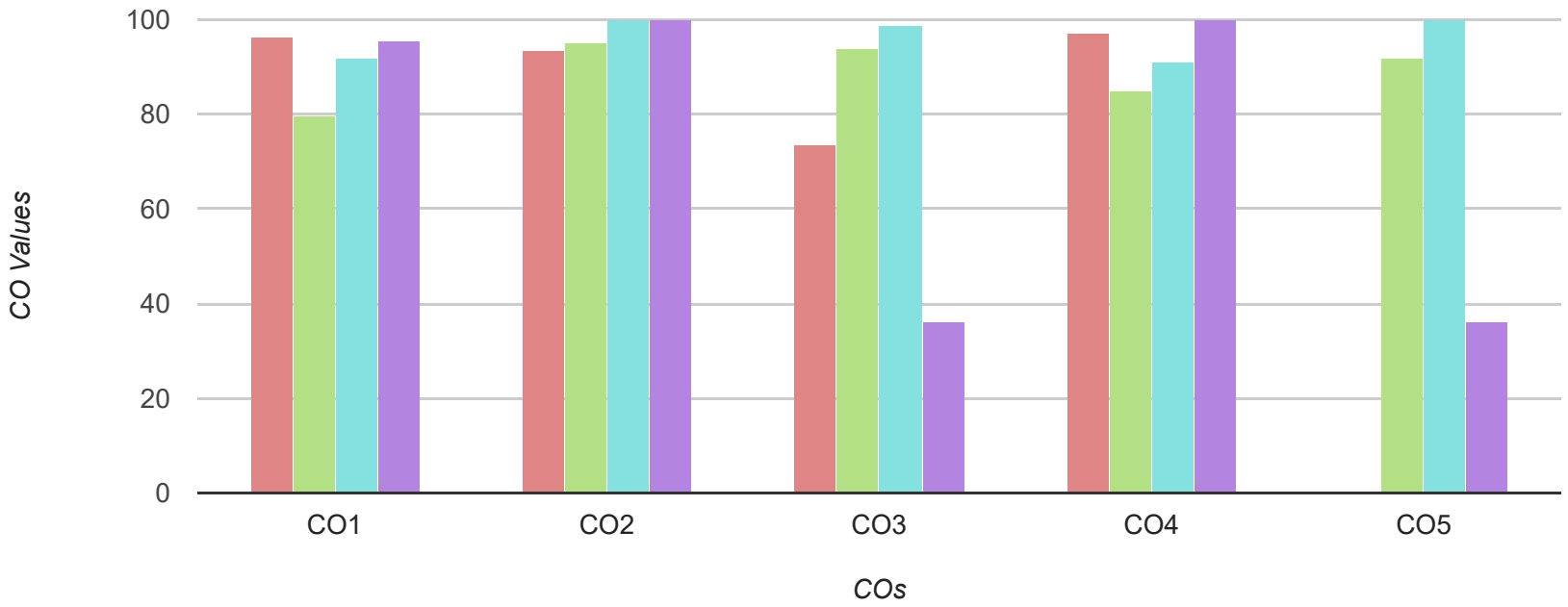
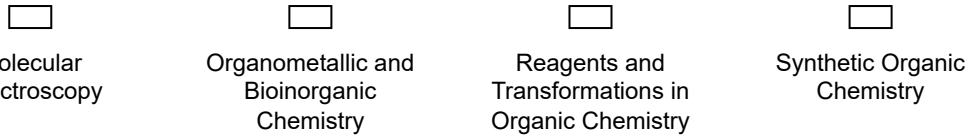
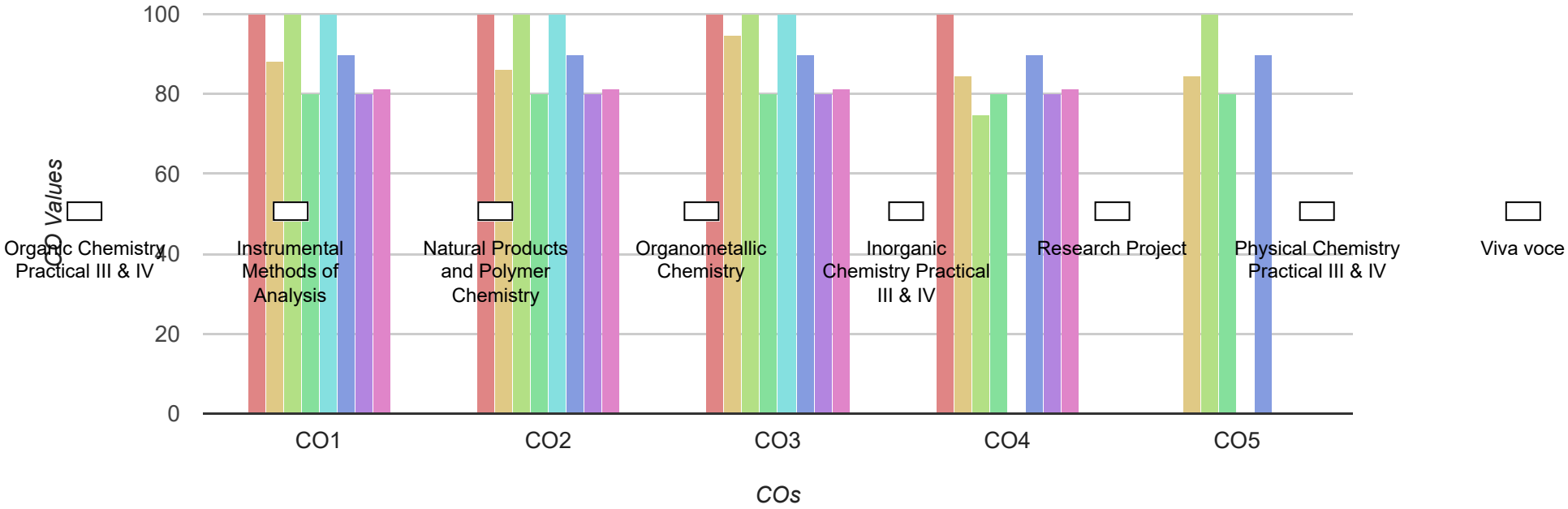
CO6
COs
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	96.14	93.50	73.66	97.13		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	79.73	95.09	93.96	84.82	92.06	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	92.00	100.00	98.93	91.20	100.00	
Synthetic Organic Chemistry	**CC19PCHE3E01**	95.73	100.00	36.00	100.00	36.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	88.18	86.35	94.67	84.64	84.64	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	75.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	80.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	89.76	89.76	89.76	89.76	89.76	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	81.33	81.33	81.33	81.33		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CO Values
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CO2
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CO4
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ANN RANJITH
Register No:	CCAWMCH008
Admission No:	11480
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

Program Outcome LIST

PO CODE	PO DESCRIPTION
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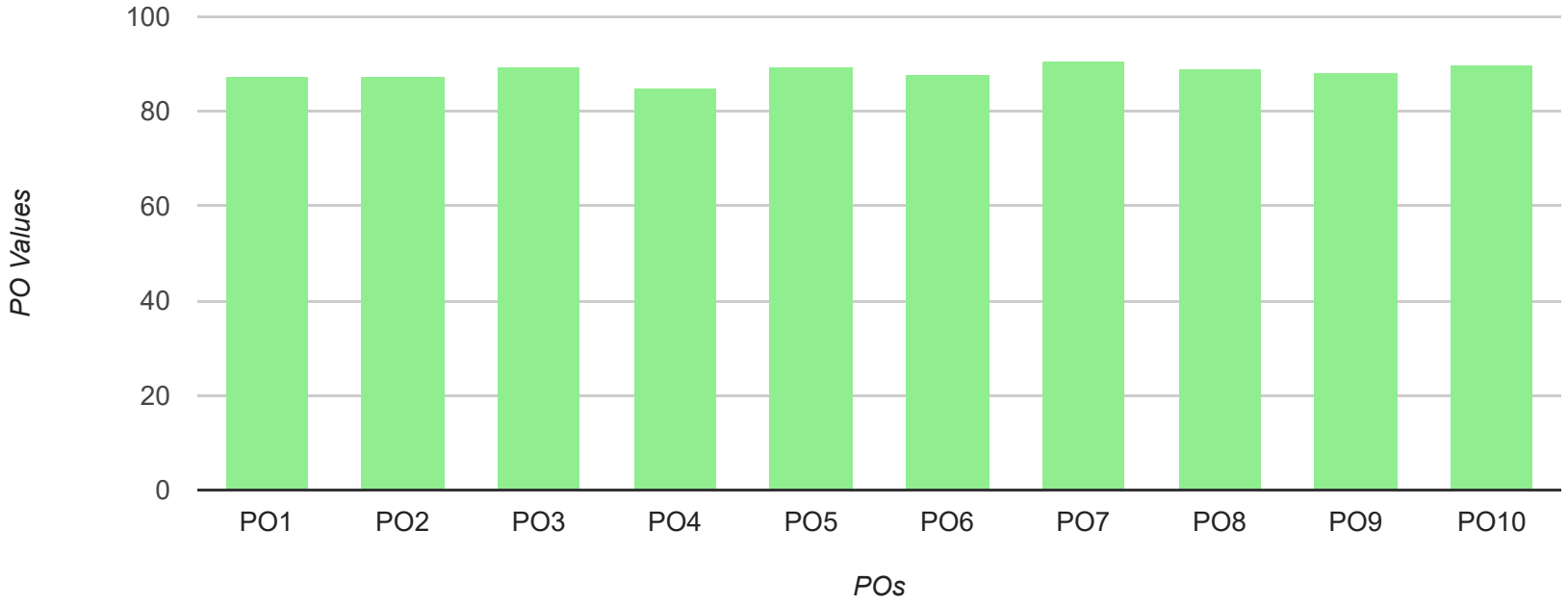
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANN RANJITH										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	87.59	87.26	89.33	85.06	89.63	87.81	90.77	89.15	88.06	89.67



Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
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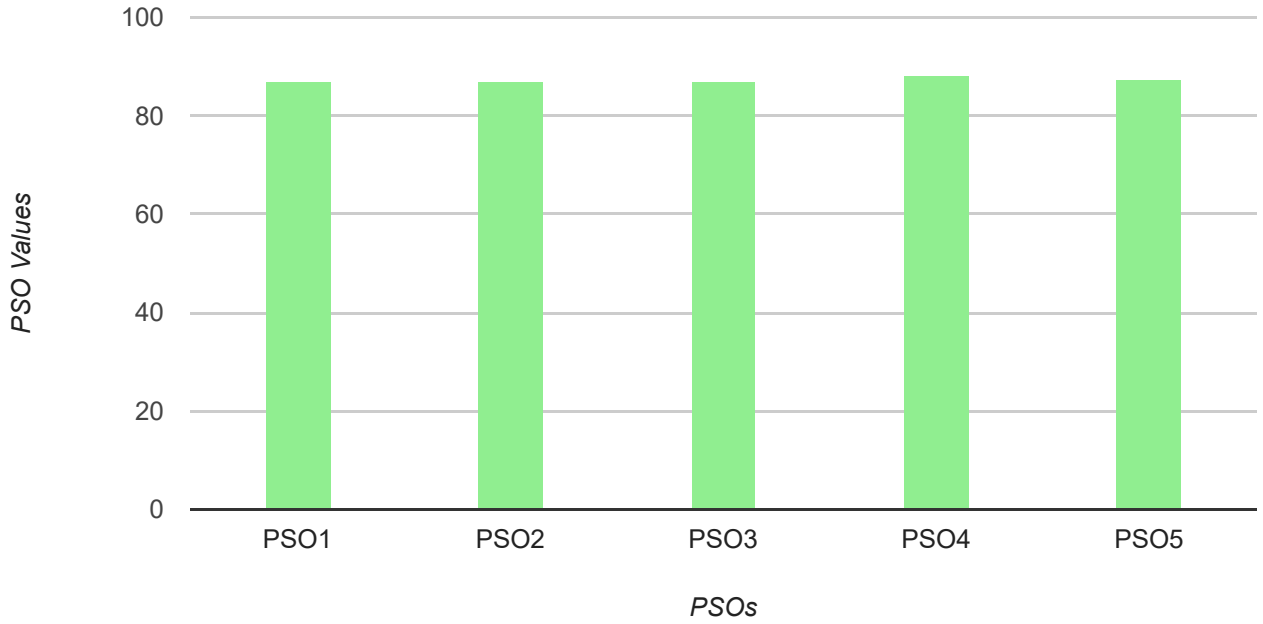
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANN RANJITH					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	86.90	86.98	87.03	88.30	87.24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PSO Values
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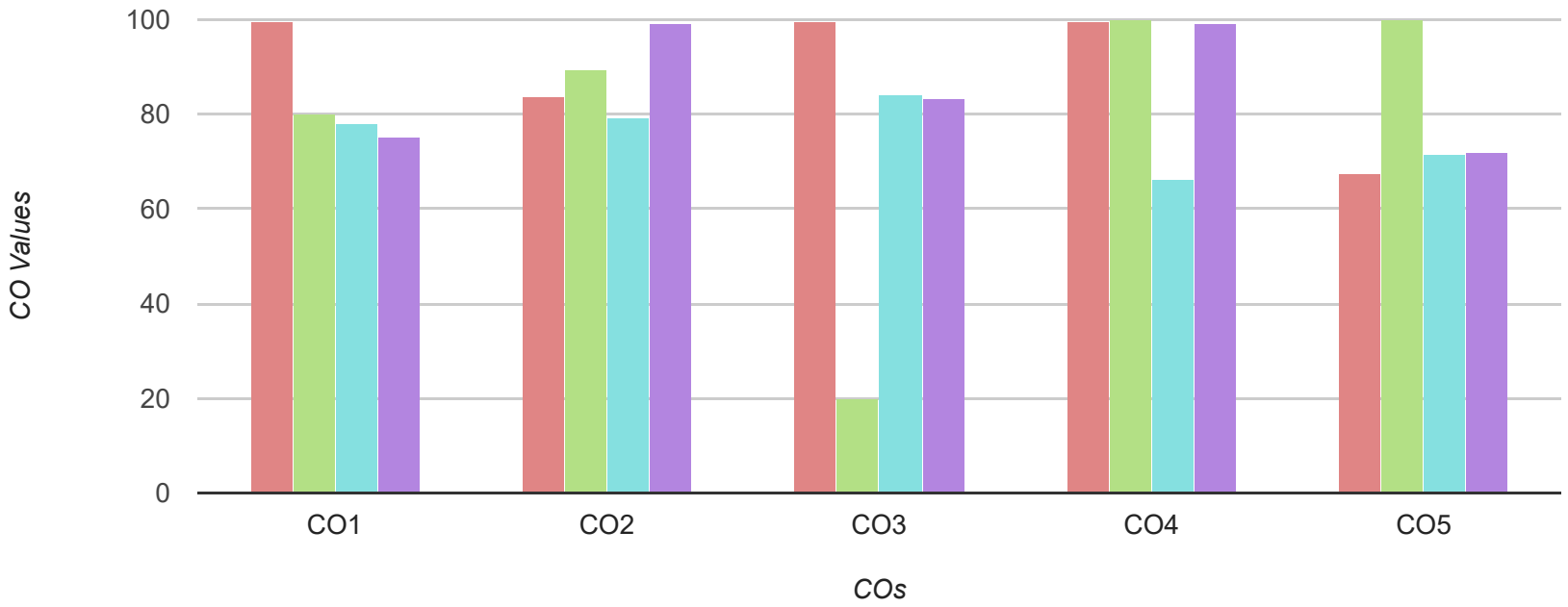
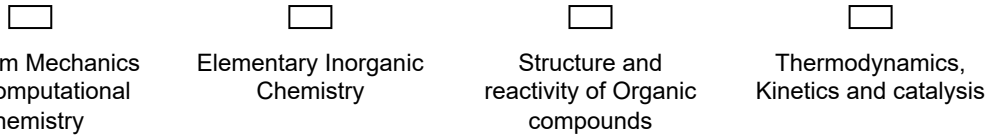
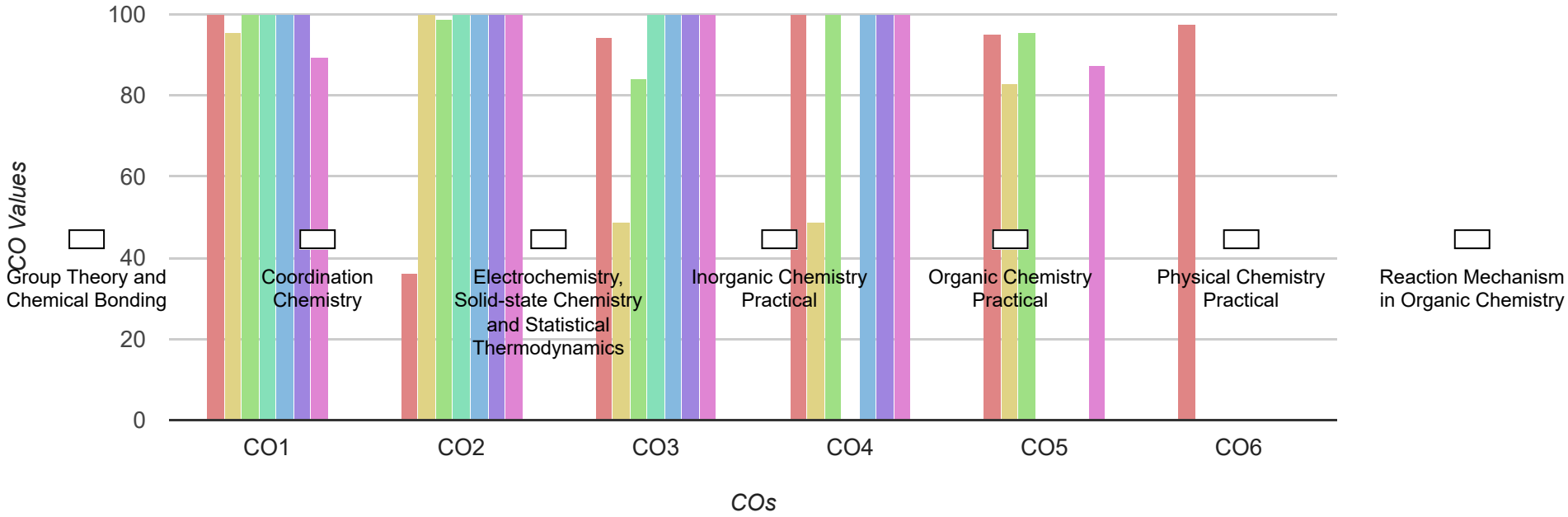
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.64	83.64	99.64	99.64	67.64	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	80.00	89.33	20.00	100.00	100.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	78.04	79.20	84.18	66.40	71.73	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	75.20	99.20	83.20	99.20	72.12	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	36.00	94.18	100.00	95.20	97.44
Coordination Chemistry	**CC19PCHE2C06**	95.73	100.00	48.80	48.80	82.93	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	100.00	98.84	84.00	100.00	95.73	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	100.00	100.00	100.00		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	89.33	100.00	100.00	100.00	87.20	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CO Values
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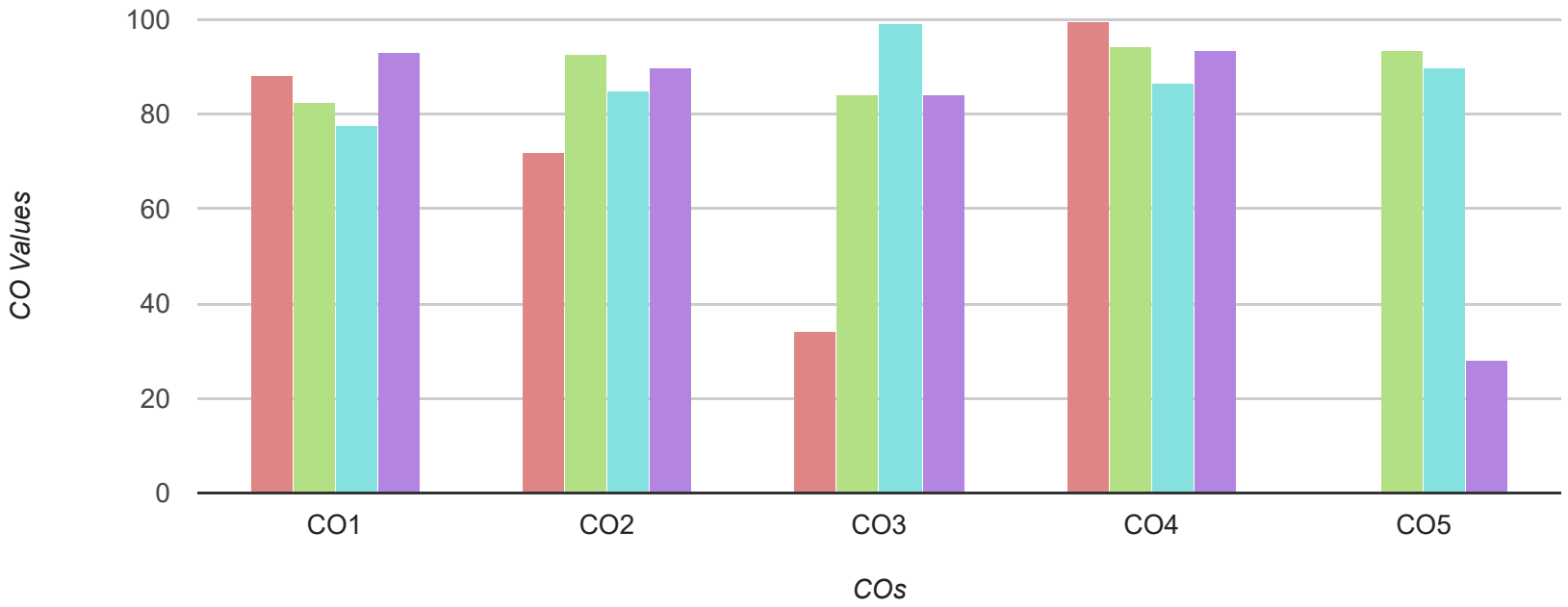
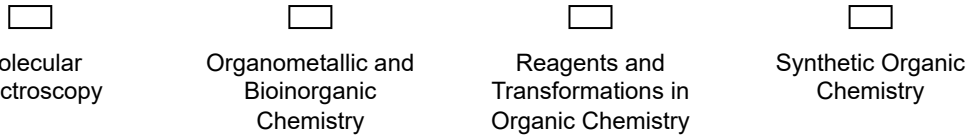
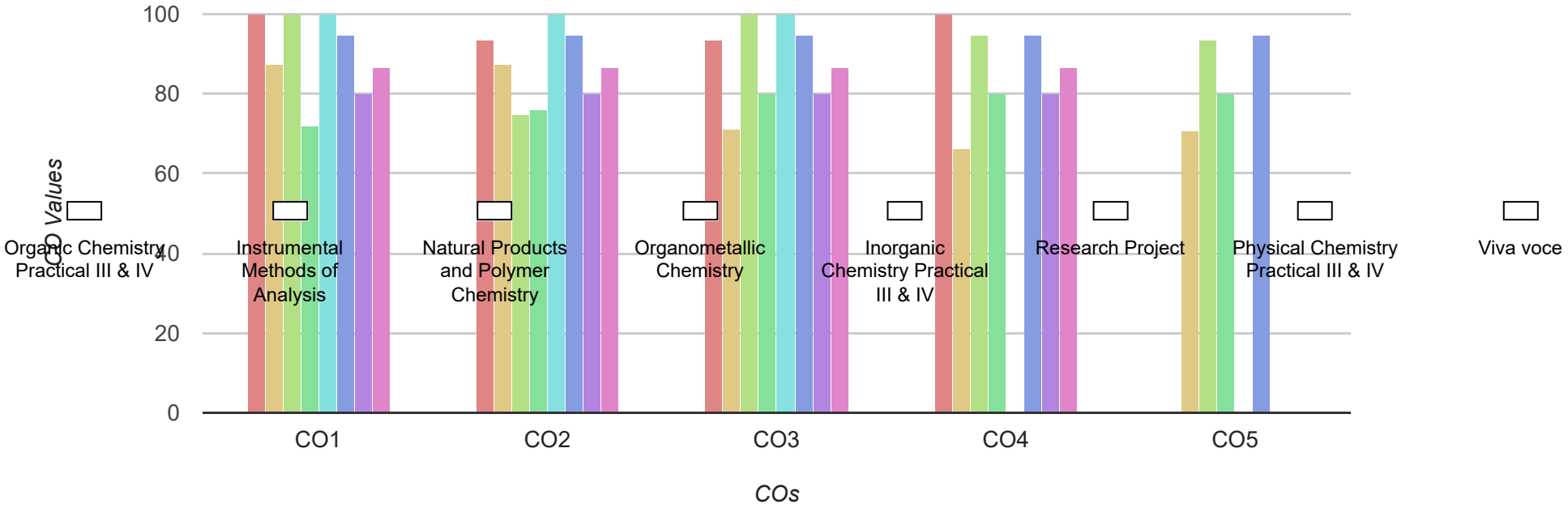
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	88.05	72.00	34.14	99.42		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	82.40	92.80	84.30	94.40	93.60	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	77.79	84.85	99.20	86.40	89.78	
Synthetic Organic Chemistry	**CC19PCHE3E01**	92.89	89.76	84.00	93.60	28.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	93.33	93.33	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	87.20	87.20	71.20	66.13	70.56	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	75.00	100.00	94.64	93.57	
Organometallic Chemistry	**CC19PCHE4E08**	72.00	76.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	94.88	94.88	94.88	94.88	94.88	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	86.67	86.67	86.67	86.67		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CO Values
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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	NIHALA C M
Register No:	CCAWMCH014
Admission No:	11486
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

Program Outcome LIST

PO CODE	PO DESCRIPTION
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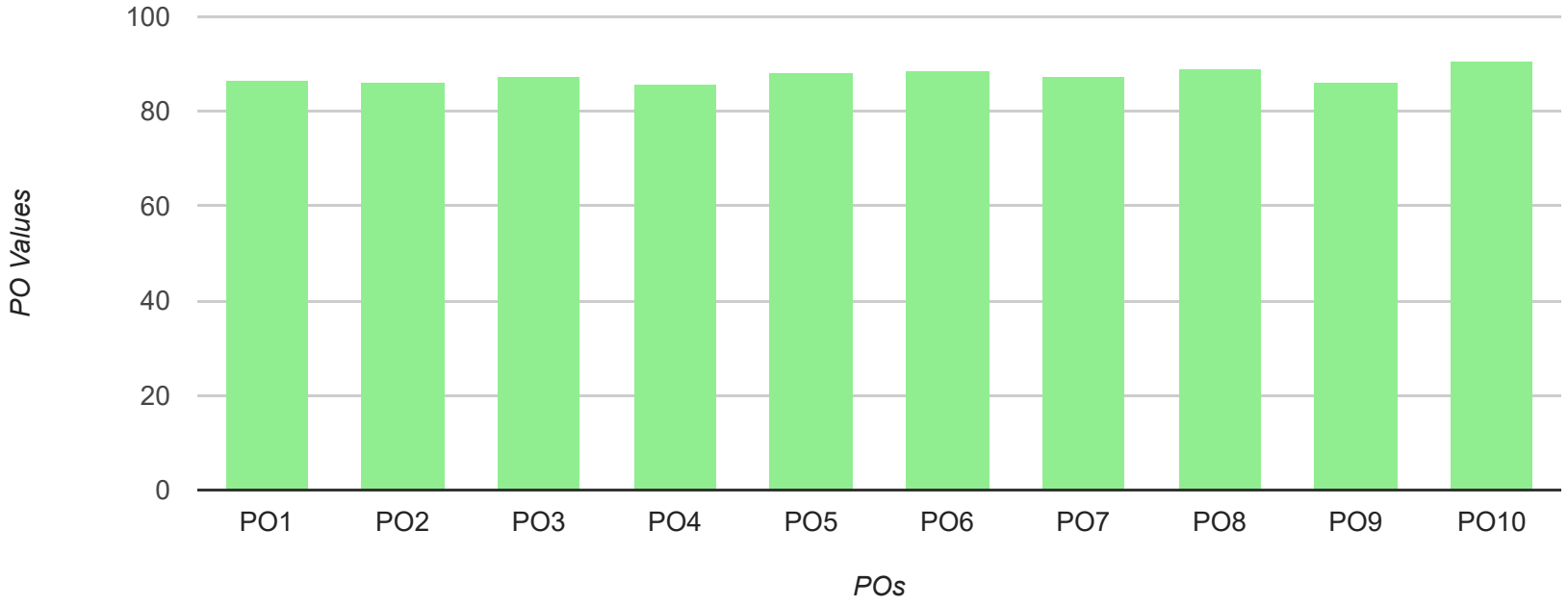
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF NIHALA C M										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	86.55	86.36	87.41	85.88	88.32	88.77	87.56	88.92	86.06	90.49

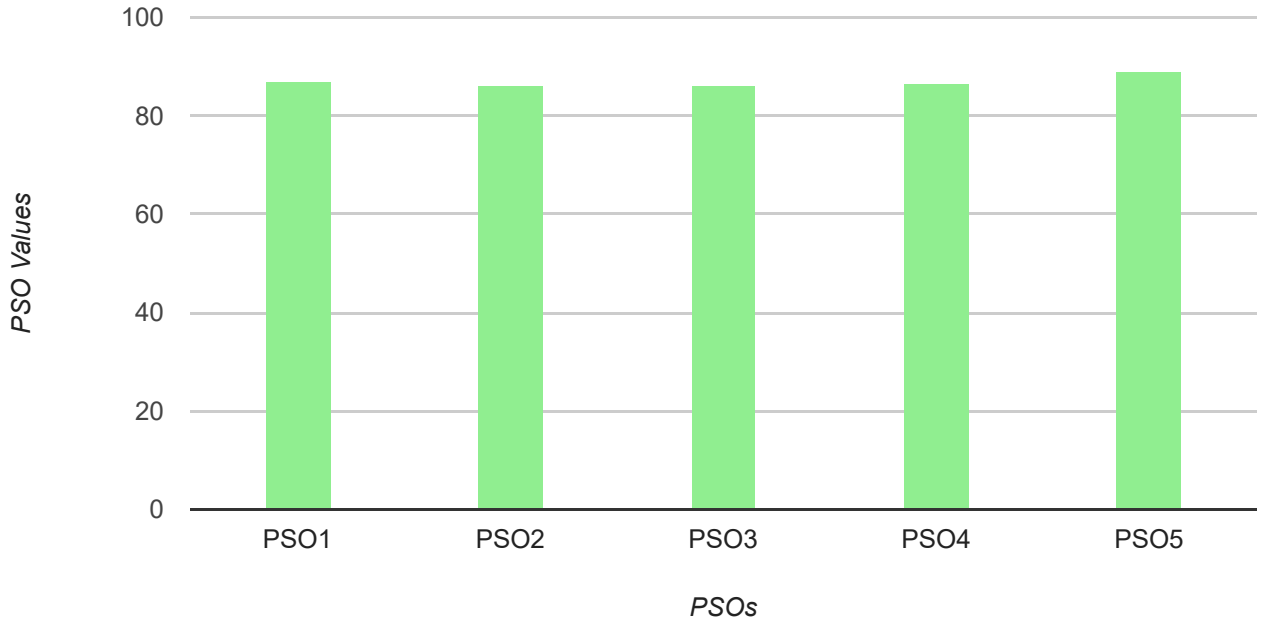


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF NIHALA C M					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	86.86	86.34	86.12	86.54	88.84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PSO Values
PSO1
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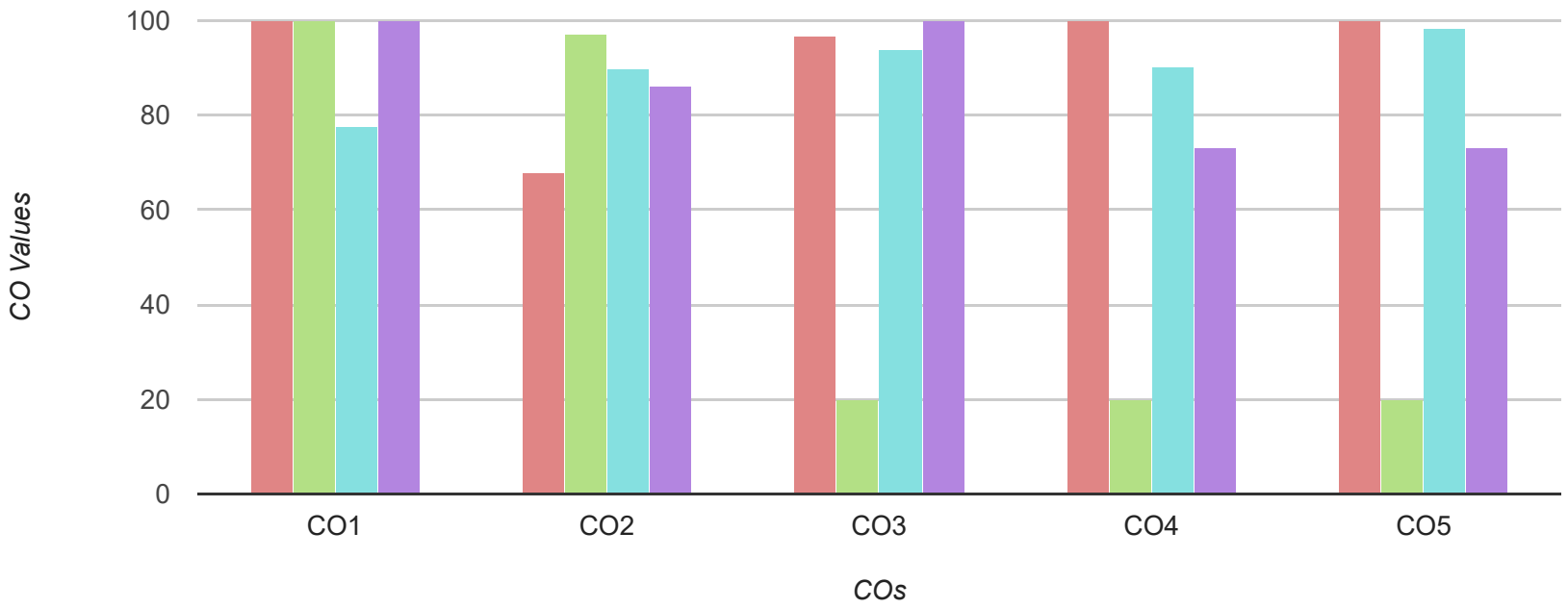
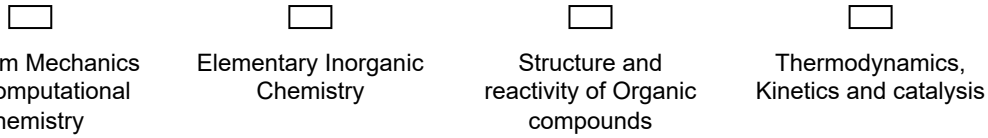
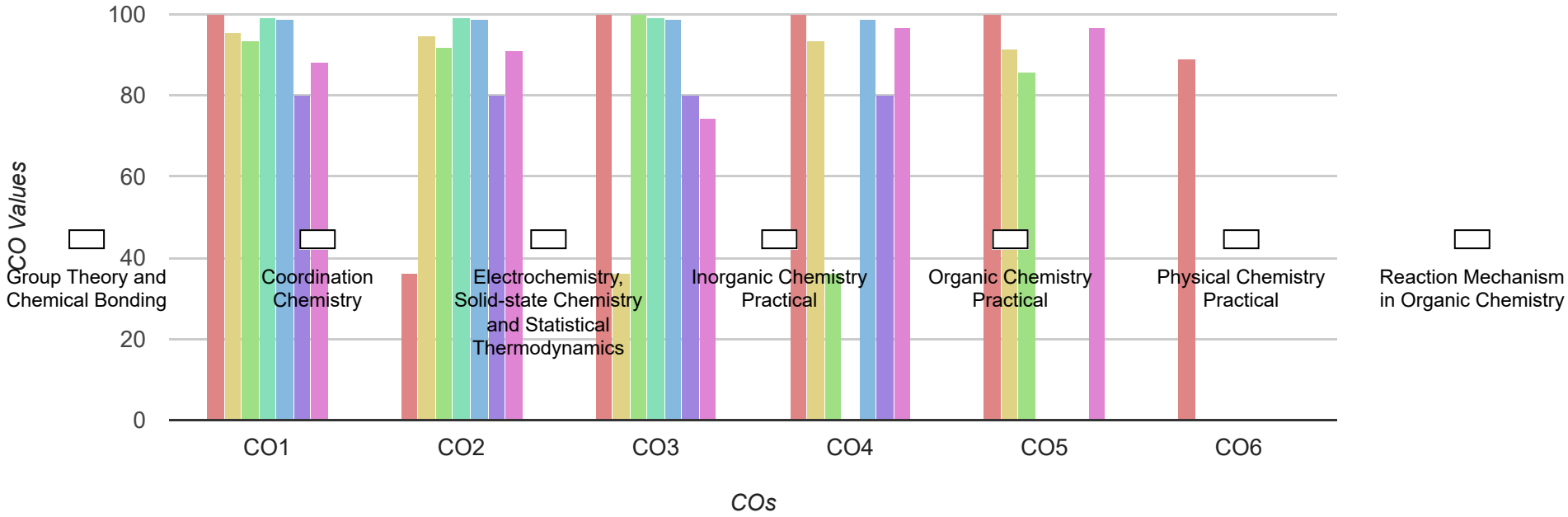
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.84	67.84	96.64	99.84	99.84	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	100.00	97.33	20.00	20.00	20.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	77.48	89.78	93.83	90.40	98.40	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	86.29	100.00	73.33	73.33	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	36.00	100.00	100.00	100.00	89.03
Coordination Chemistry	**CC19PCHE2C06**	95.73	94.88	36.00	93.60	91.47	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	93.60	91.85	100.00	36.00	85.78	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	99.23	99.23	99.23			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.72	98.72	98.72	98.72		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	88.11	90.86	74.40	96.80	96.80	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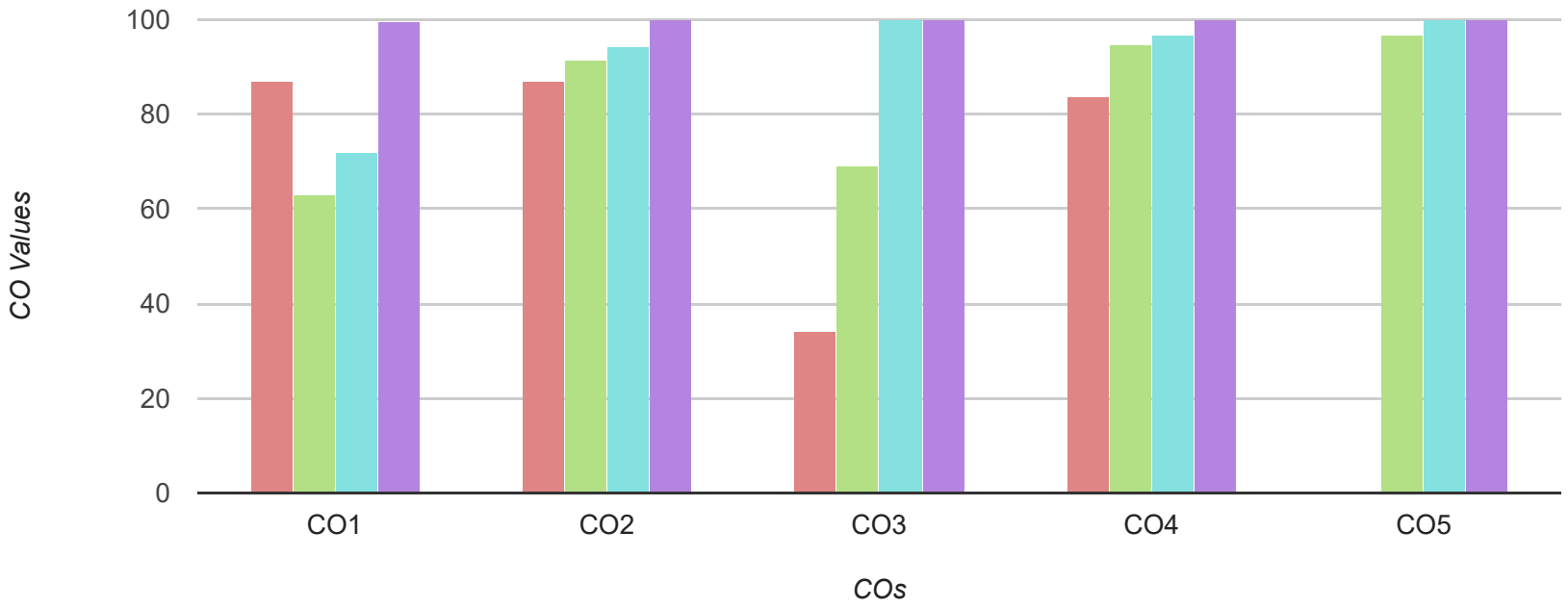
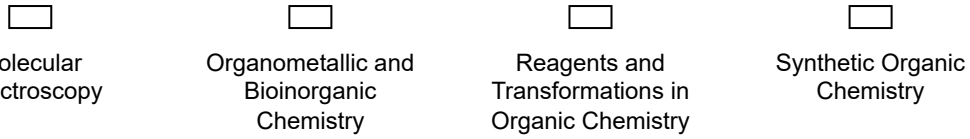
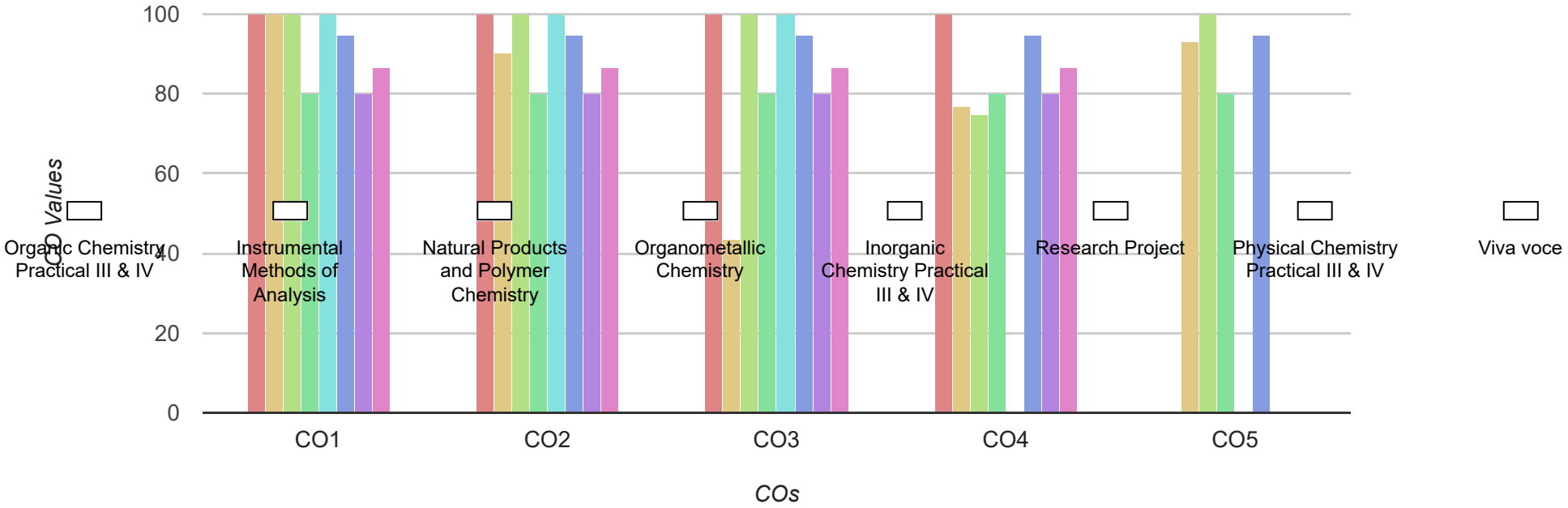
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	87.14	87.14	34.02	83.94		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	63.09	91.47	69.07	94.67	96.80	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	71.84	94.51	100.00	96.80	100.00	
Synthetic Organic Chemistry	**CC19PCHE3E01**	99.56	100.00	100.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	100.00	90.15	43.47	76.96	93.02	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	75.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	80.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	94.88	94.88	94.88	94.88	94.88	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	86.67	86.67	86.67	86.67		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ADWAITH A.P.
Register No:	CCAWMCH002
Admission No:	11473
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

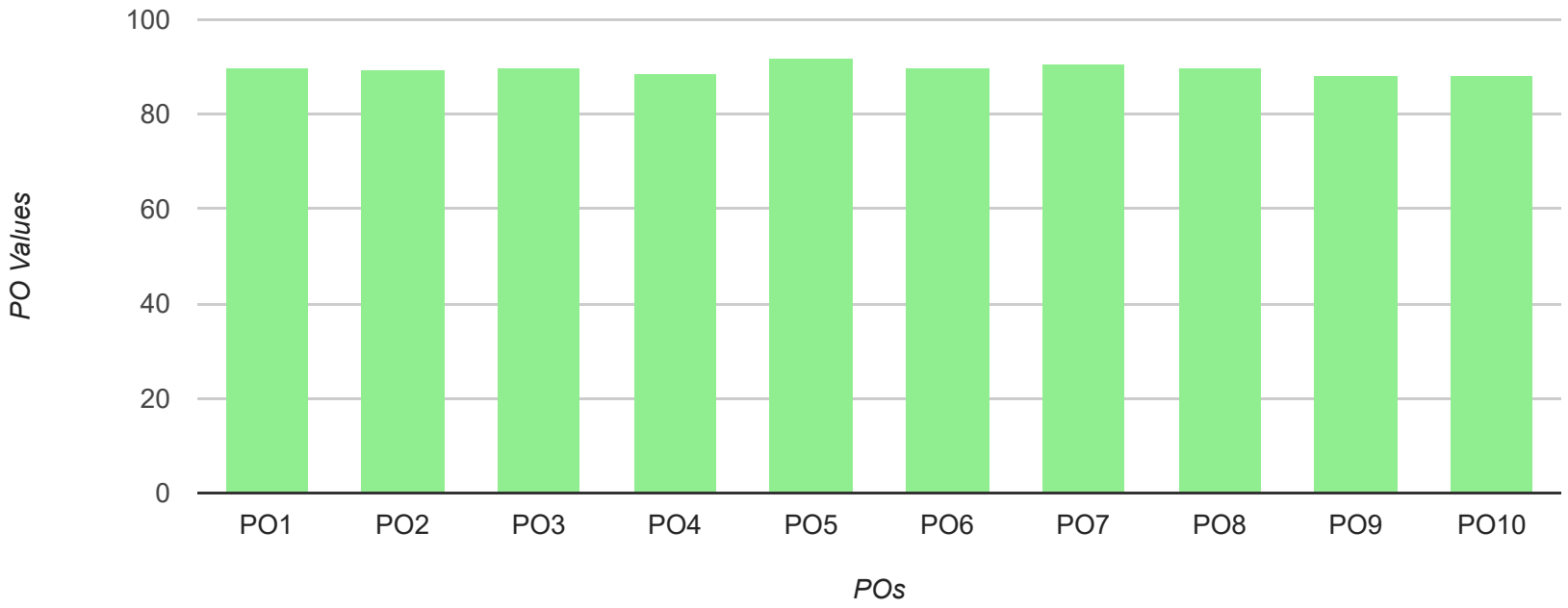
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ADWAITH A.P.										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	89.69	89.59	89.71	88.60	91.79	89.73	90.67	90.01	88.21	88.35

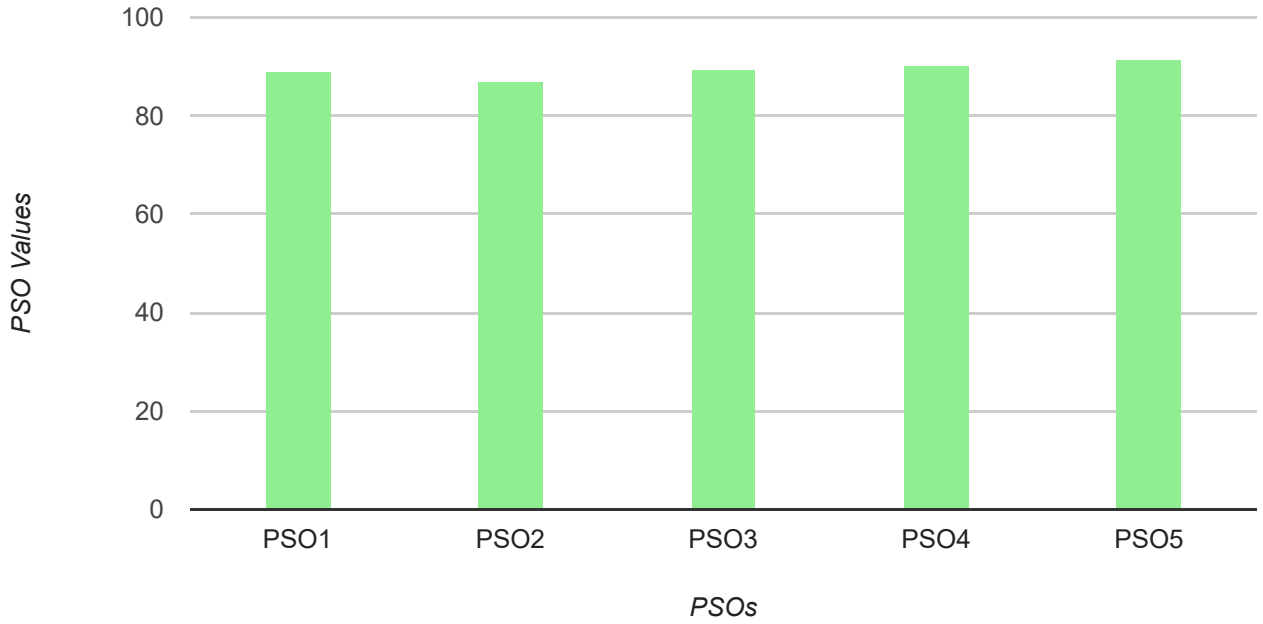


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ADWAITH A.P.					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	89.03	87.12	89.41	90.44	91.35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PSO Values
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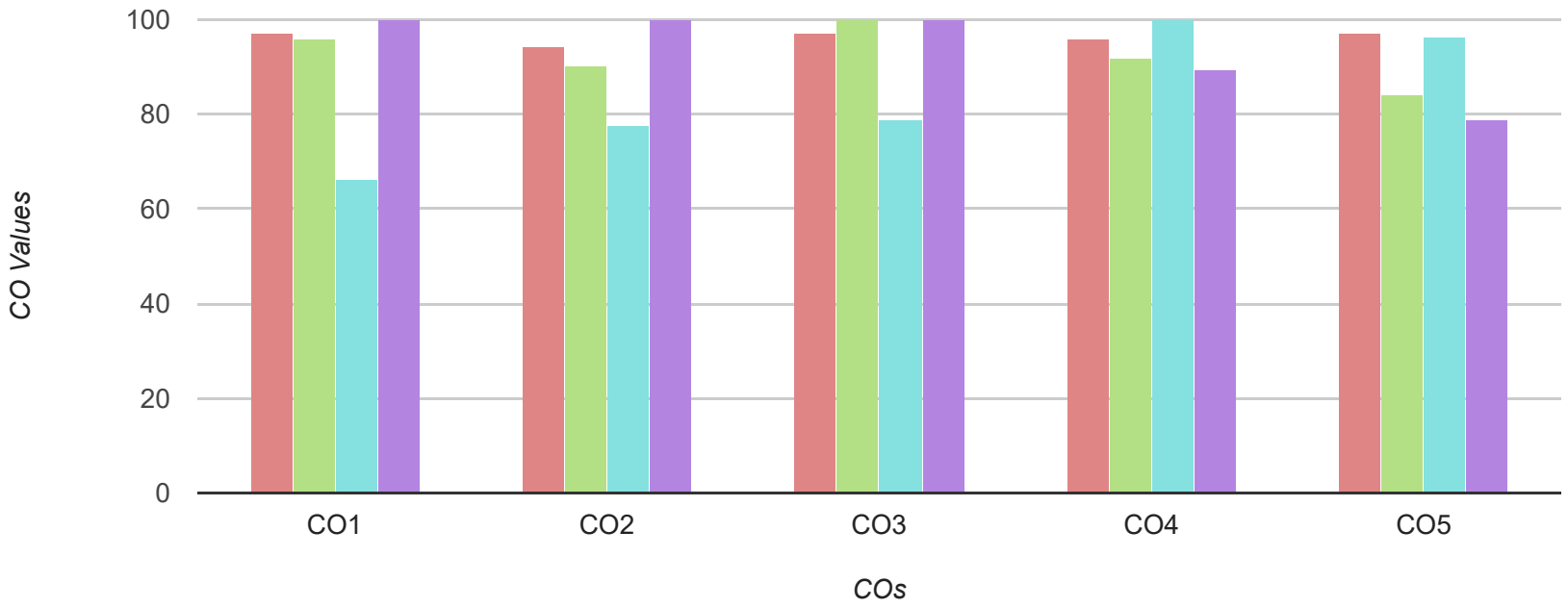
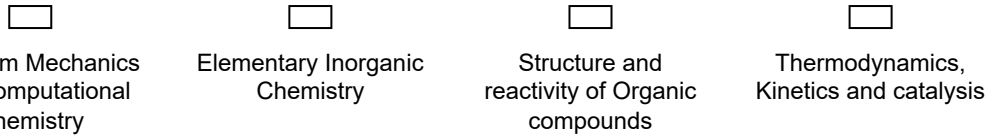
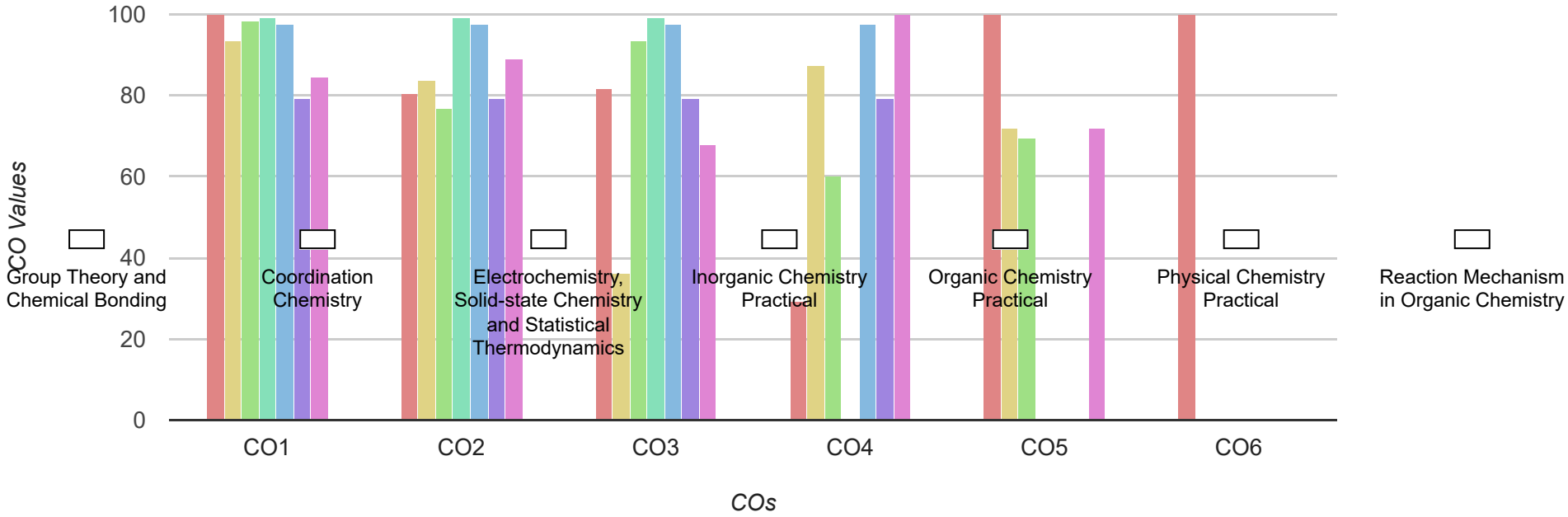
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	97.32	94.12	97.32	95.87	97.32	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	96.00	90.40	100.00	92.00	84.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	66.40	77.78	78.67	100.00	96.44	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	100.00	100.00	89.33	78.67	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	80.53	81.70	29.33	100.00	100.00
Coordination Chemistry	**CC19PCHE2C06**	93.33	83.54	36.00	87.20	72.00	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	98.40	76.80	93.60	60.00	69.33	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	99.23	99.23	99.23			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	97.44	97.44	97.44	97.44		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	79.36	79.36	79.36	79.36		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	84.36	89.03	67.73	100.00	72.00	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CO Values
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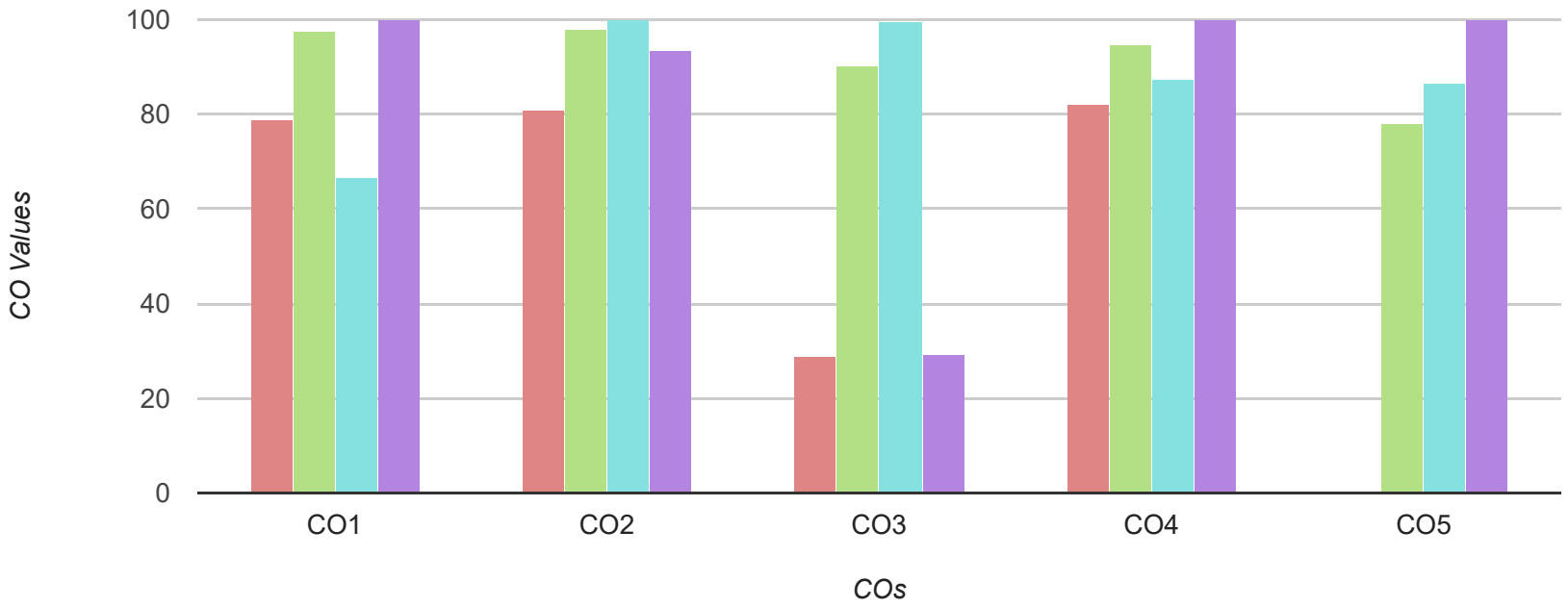
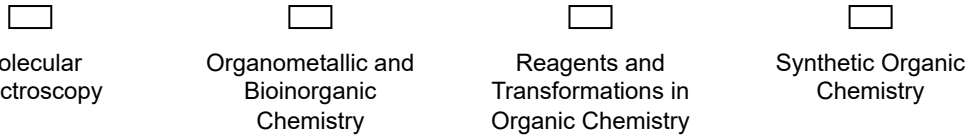
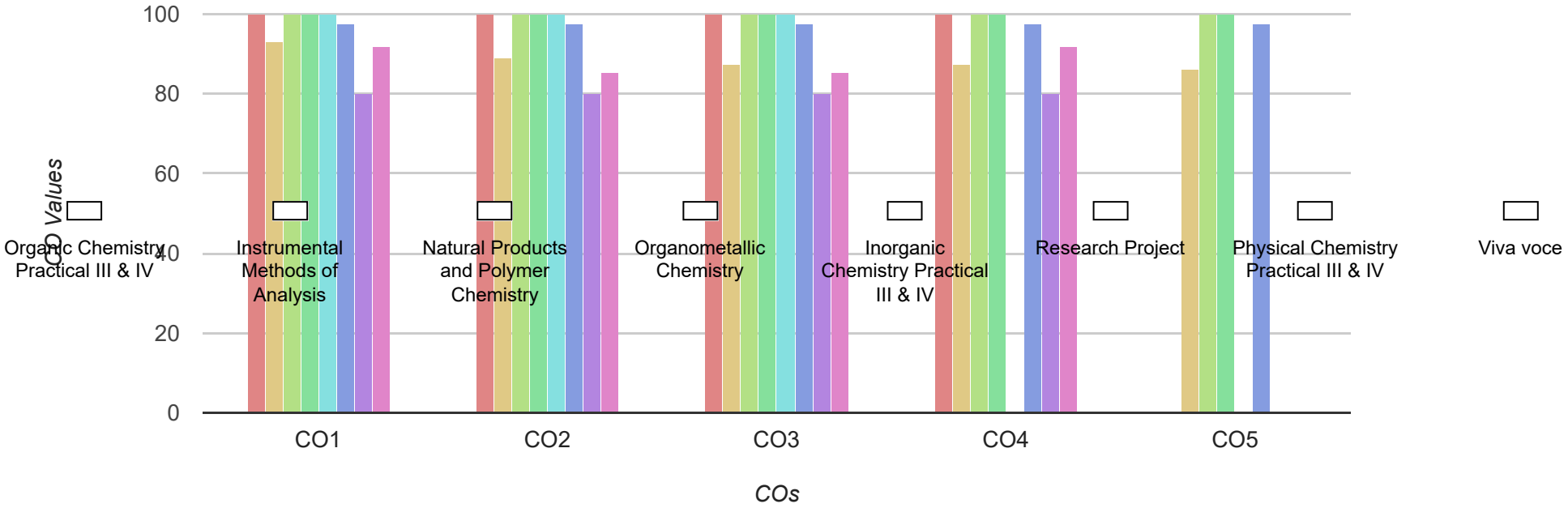
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	78.68	80.72	28.98	81.94		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	97.60	97.78	90.40	94.67	78.24	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	66.72	100.00	99.60	87.20	86.58	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	29.33	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	93.11	89.17	87.20	87.20	86.04	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	100.00	100.00	100.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	100.00	100.00	100.00	100.00	100.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	97.44	97.44	97.44	97.44	97.44	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	92.00	85.33	85.33	92.00		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ANGEL ROSE
Register No:	CCAWMCH007
Admission No:	11479
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

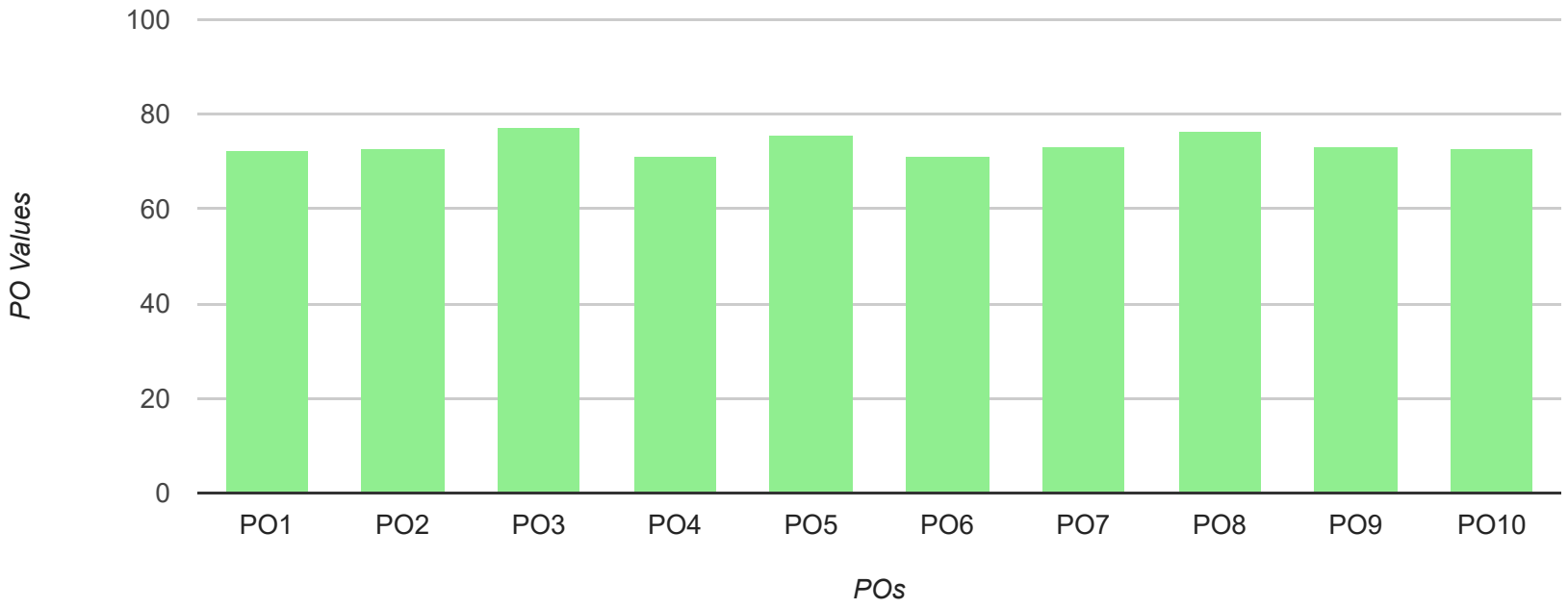
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANGEL ROSE										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	72.20	72.84	77.07	71.07	75.78	71.01	73.24	76.44	73.16	72.74

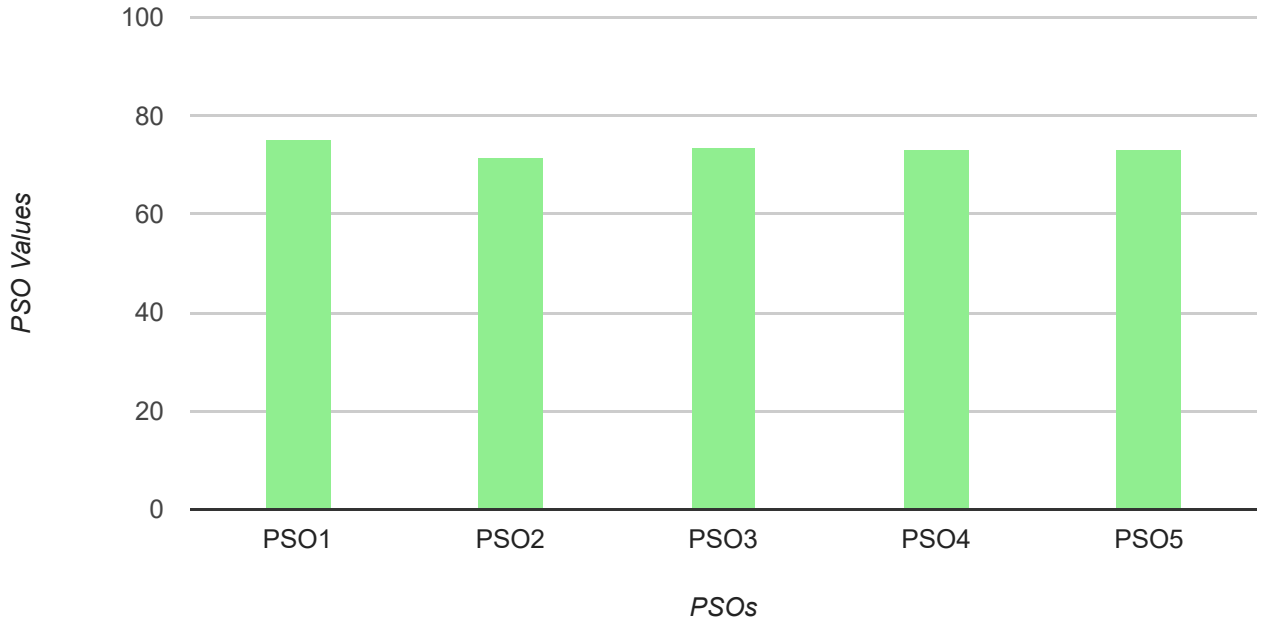


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANGEL ROSE					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	75.36	71.66	73.54	73.34	73.03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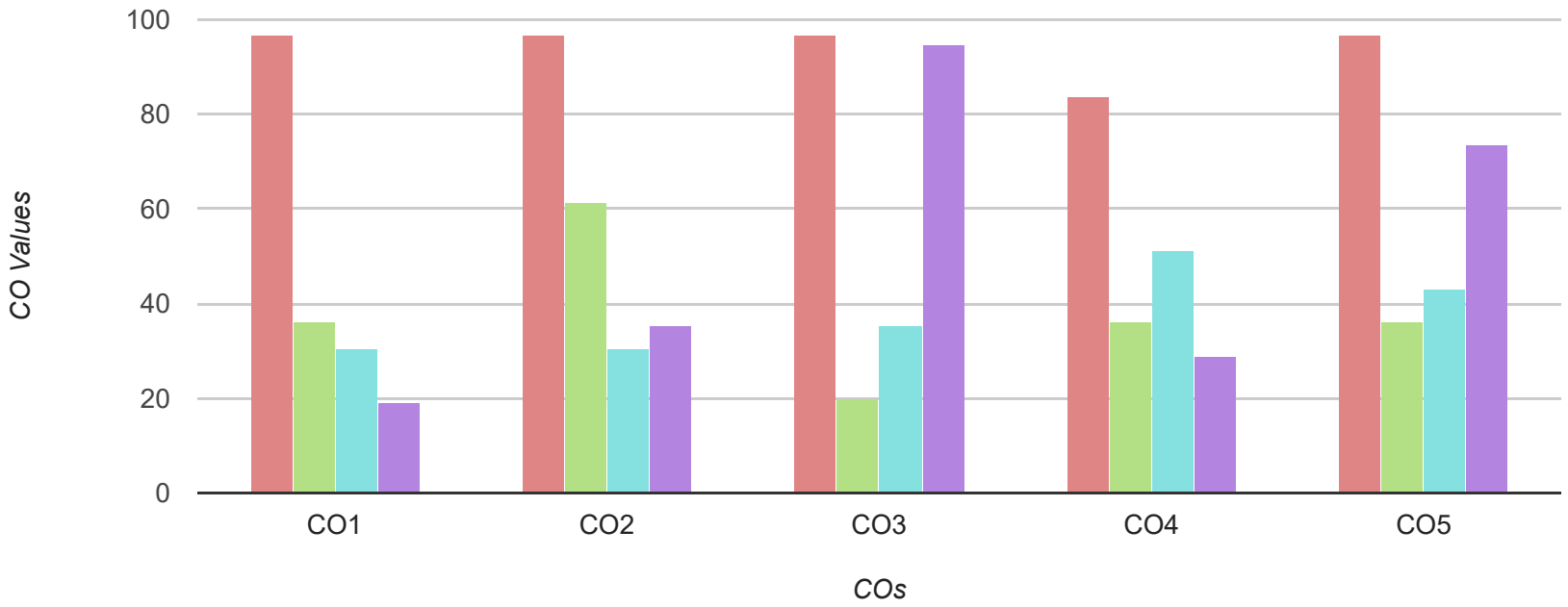
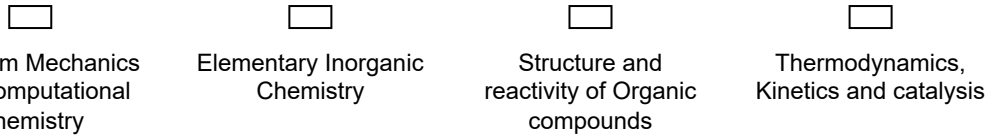
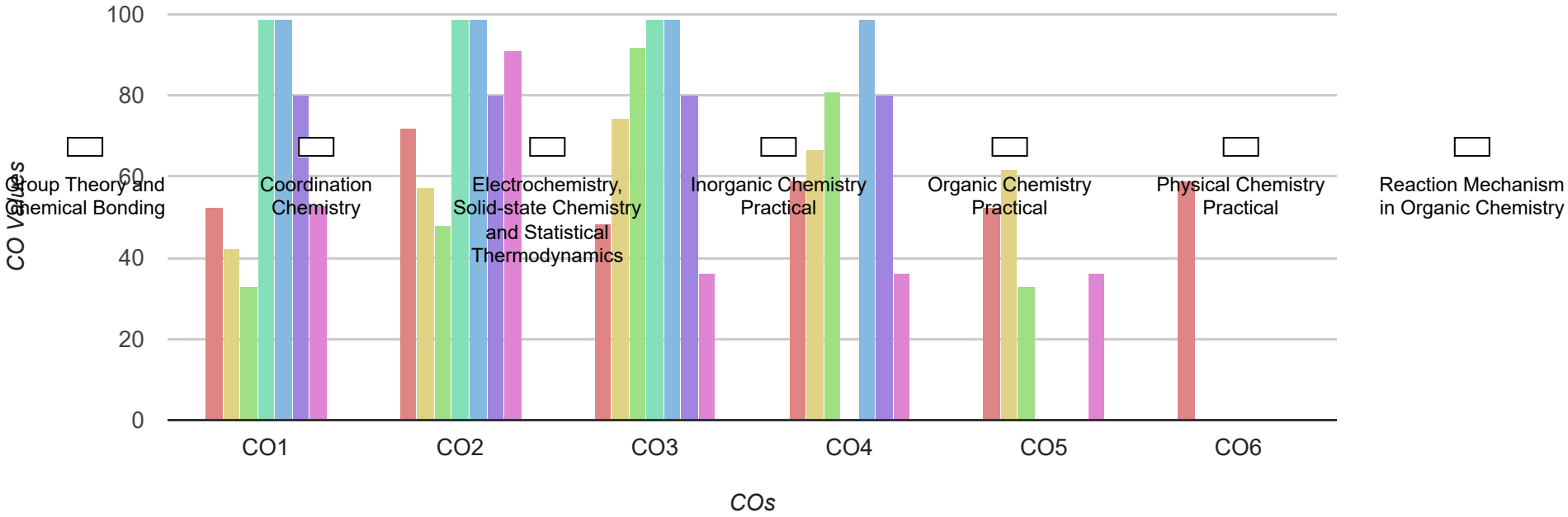
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	96.64	96.64	96.64	83.55	96.64	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	36.00	61.45	20.00	36.00	36.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	30.63	30.63	35.20	51.20	43.20	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	19.20	35.20	94.63	29.05	73.60	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	52.64	71.84	48.57	59.04	52.64	59.04
Coordination Chemistry	**CC19PCHE2C06**	42.40	57.33	74.40	66.72	61.60	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	32.80	48.16	92.00	80.80	32.80	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	98.72	98.72	98.72			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.72	98.72	98.72	98.72		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	52.80	90.86	36.00	36.00	36.00	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CO Values
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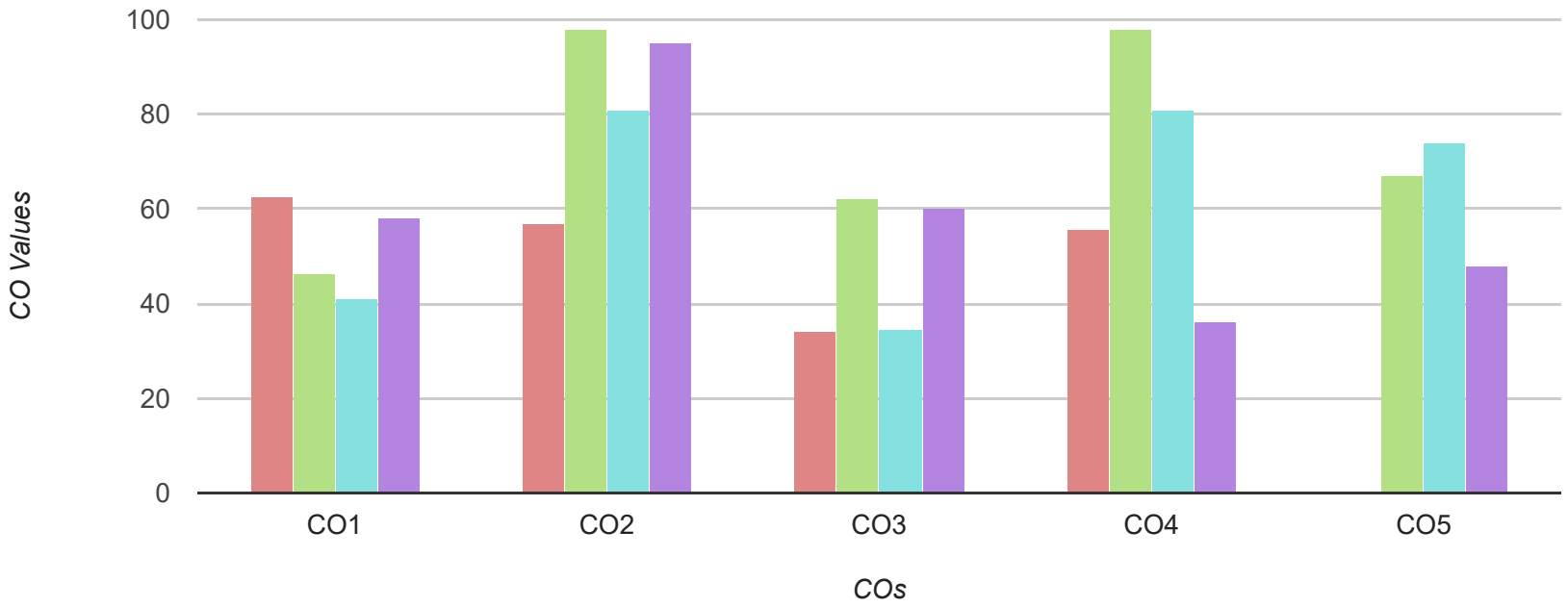
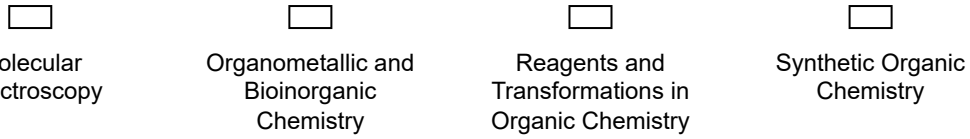
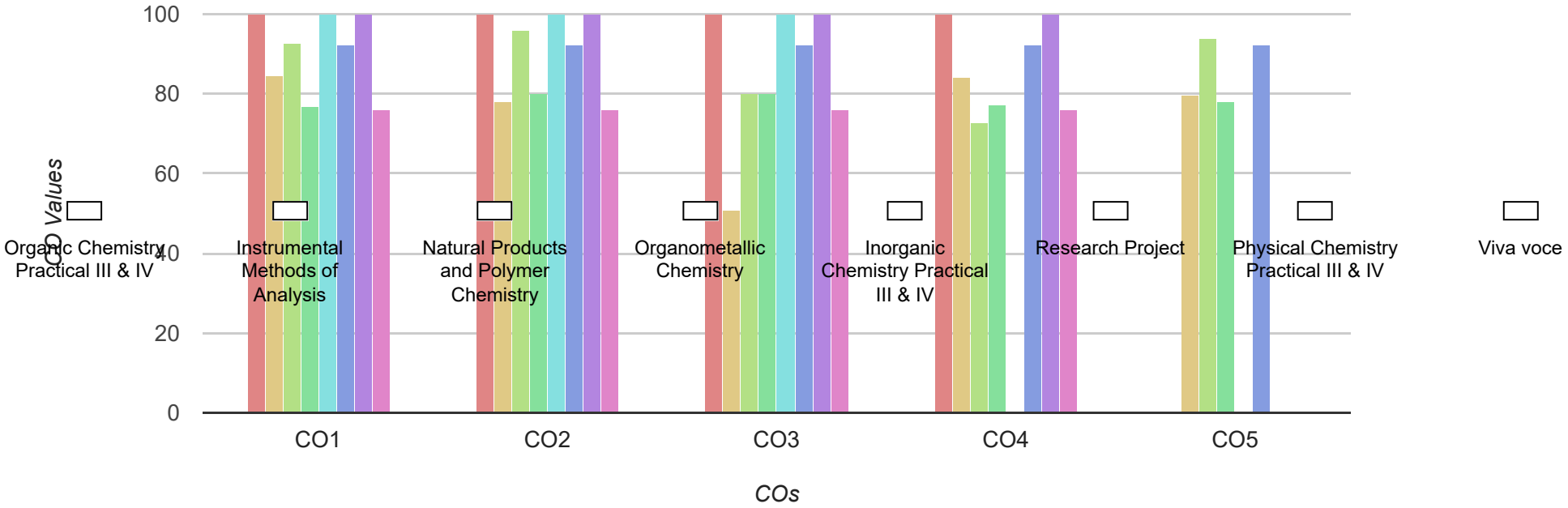
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	62.72	57.10	34.27	55.61		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	46.19	98.13	62.36	97.87	67.26	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	41.07	80.80	34.40	80.80	74.13	
Synthetic Organic Chemistry	**CC19PCHE3E01**	58.09	95.02	60.36	36.00	47.84	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	84.56	77.94	50.93	84.00	79.73	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	92.68	95.77	80.00	72.73	93.75	
Organometallic Chemistry	**CC19PCHE4E08**	76.80	80.00	80.00	77.33	78.22	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	92.32	92.32	92.32	92.32	92.32	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	76.00	76.00	76.00	76.00		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CO Values
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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	GREESHMA K V
Register No:	CCAWMCH013
Admission No:	11485
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

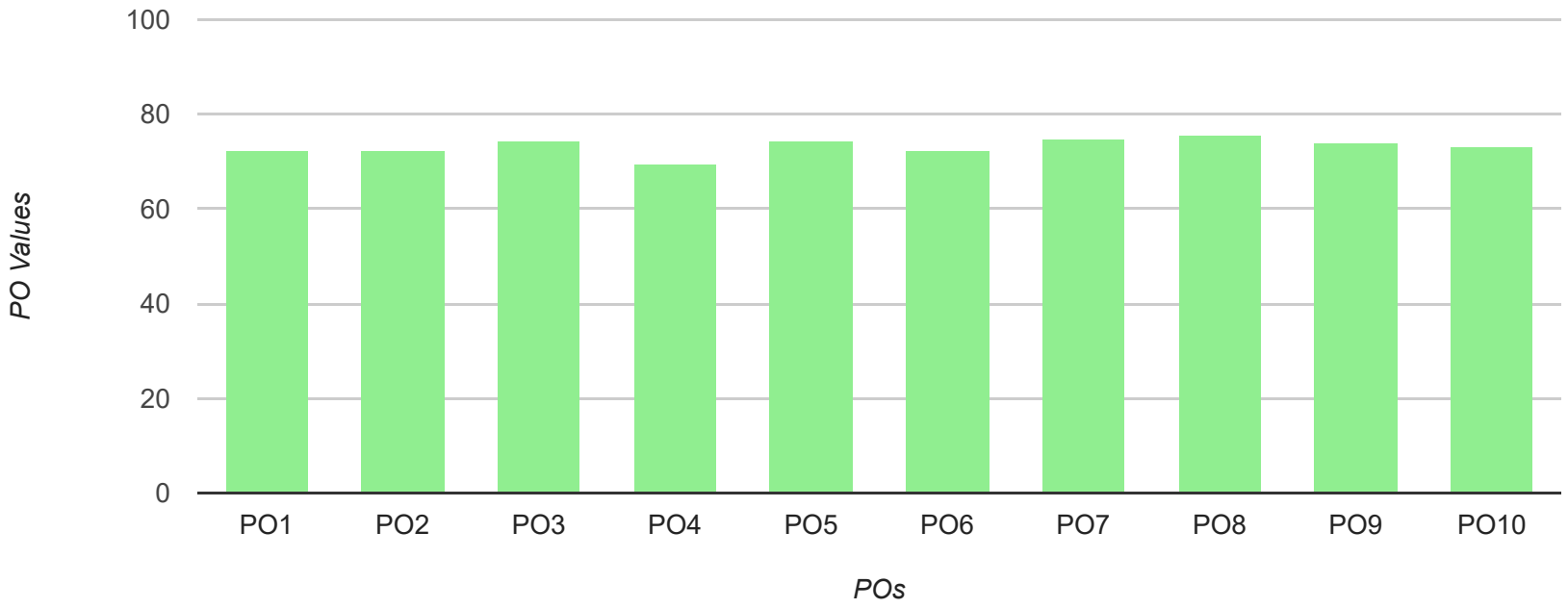
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF GREESHMA K V										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	72.48	72.47	74.35	69.39	74.57	72.51	74.91	75.47	73.90	72.98

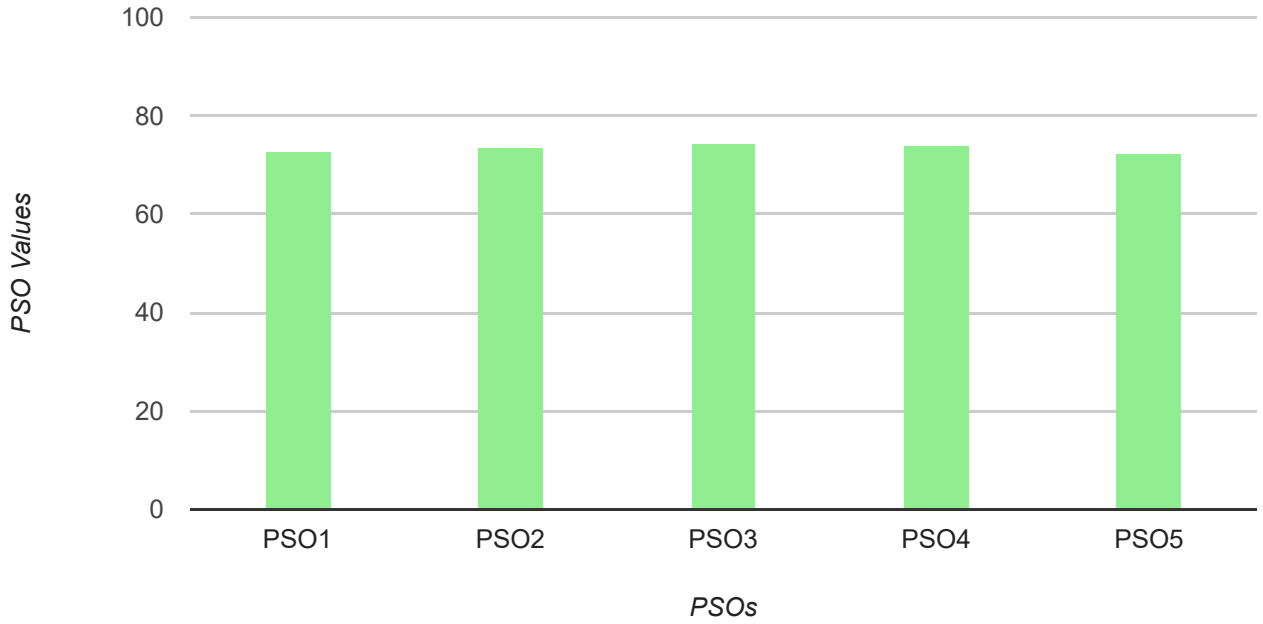


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF GREESHMA K V					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	72.76	73.63	74.44	73.86	72.26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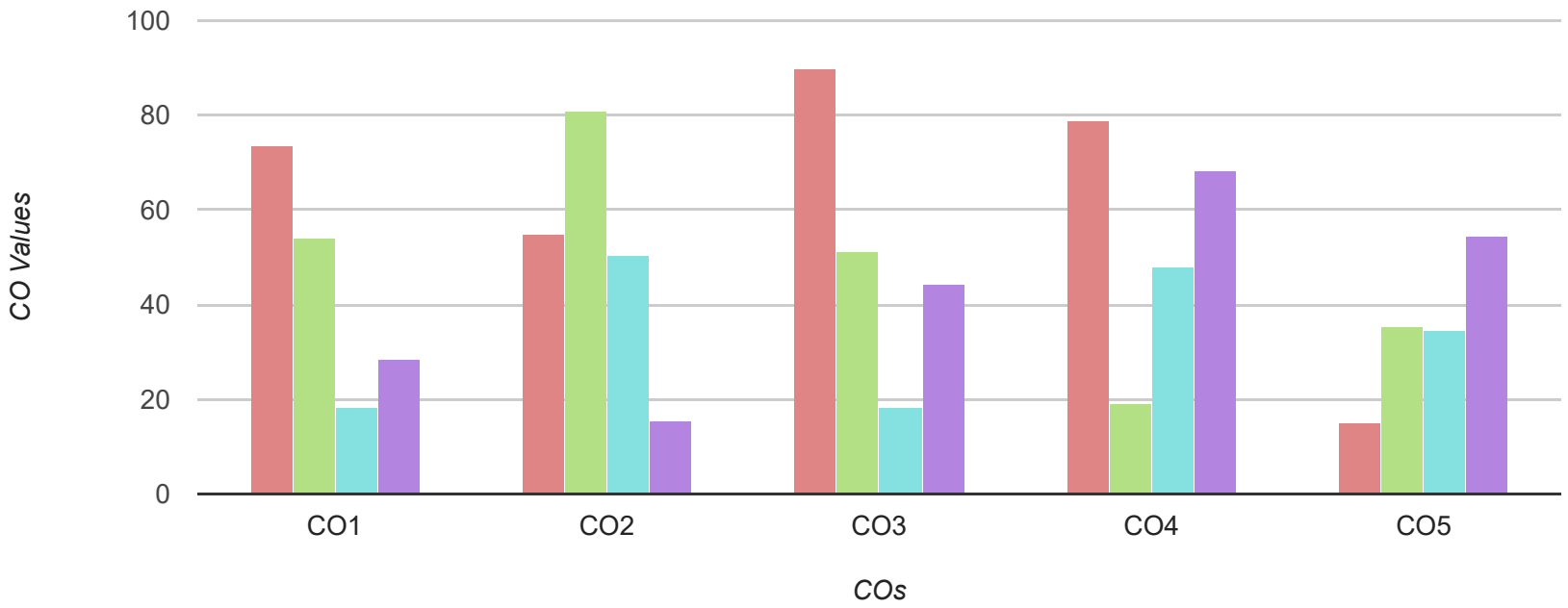
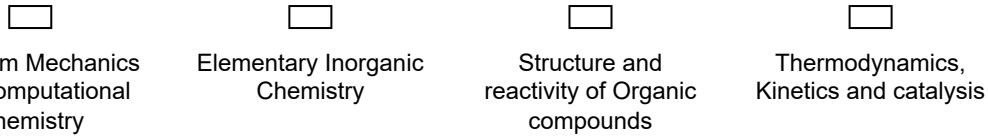
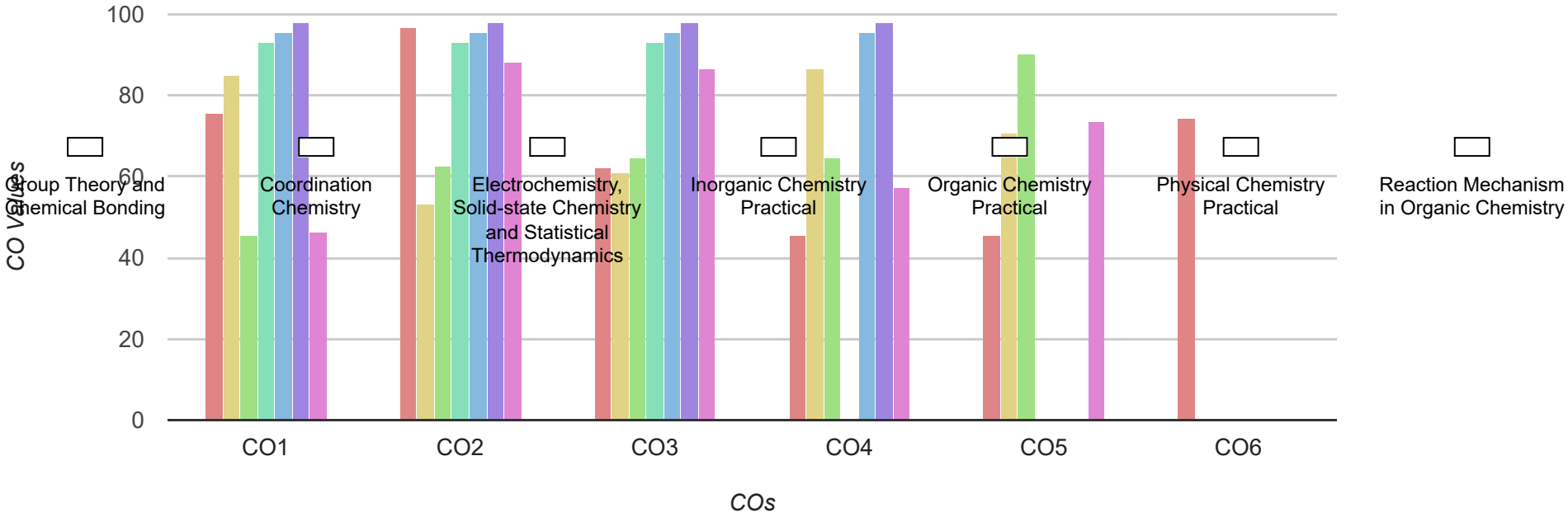
PSO Values
PSO1
PSO2
PSO3
PSO4
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	73.71	55.04	89.71	79.04	15.04	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	53.87	80.91	51.20	19.20	35.20	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	18.40	50.40	18.40	48.11	34.40	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	28.40	15.60	44.40	68.40	54.40	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	75.47	96.80	62.24	45.60	45.60	74.40
Coordination Chemistry	**CC19PCHE2C06**	84.96	53.28	60.96	86.56	70.92	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	45.60	62.67	64.80	64.80	90.40	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	93.09	93.09	93.09			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	95.73	95.73	95.73	95.73		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	97.87	97.87	97.87	97.87		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	46.33	88.39	86.56	57.30	73.76	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CO Values
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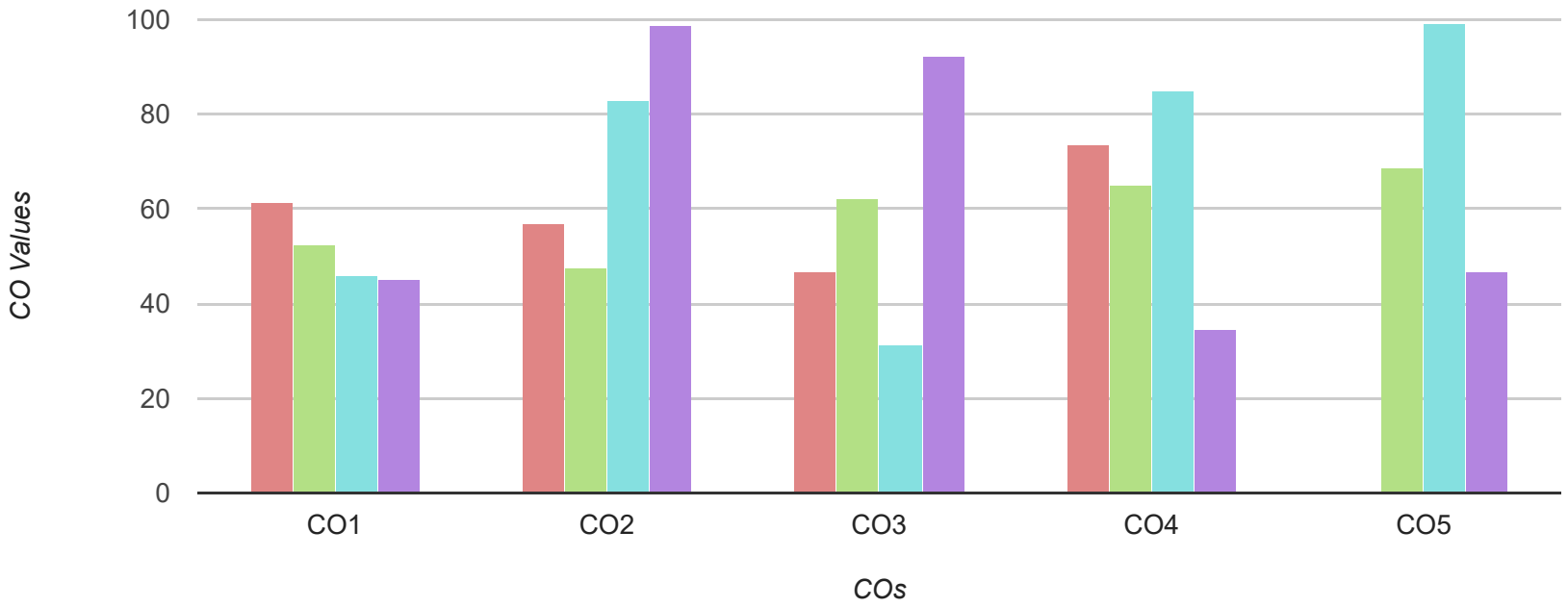
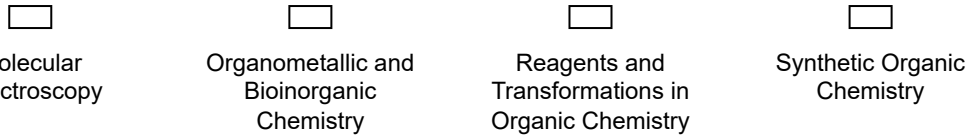
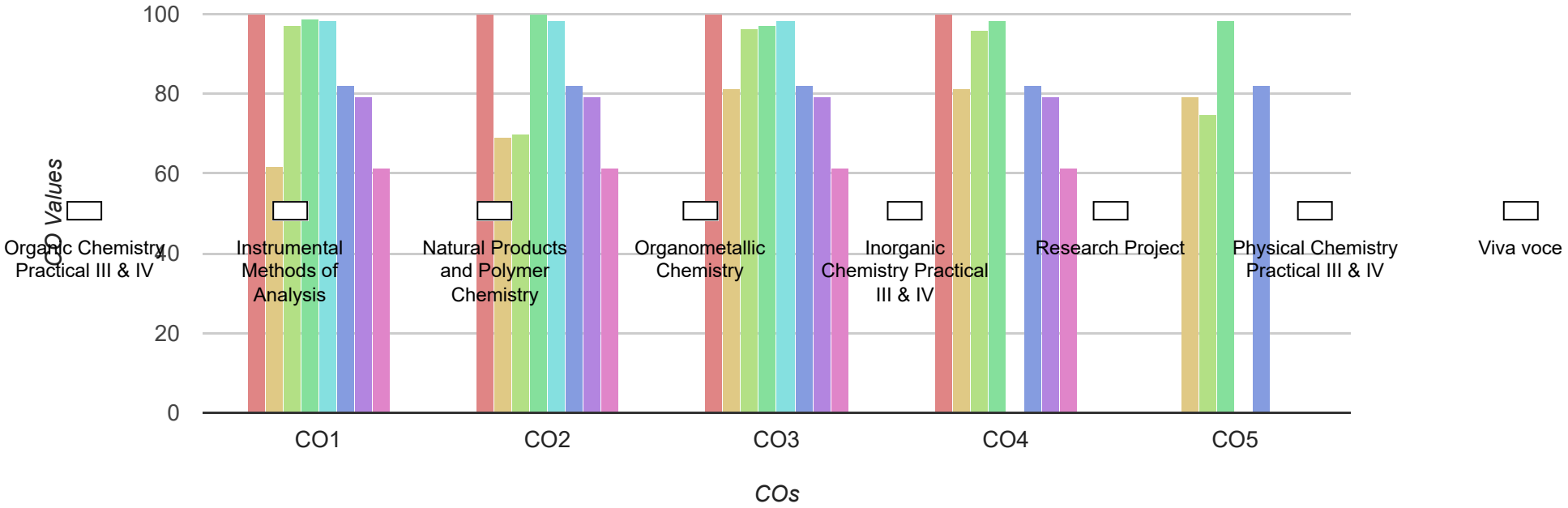
COs
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	61.33	56.80	46.56	73.44		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	52.32	47.36	62.07	64.95	68.66	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	45.90	82.78	31.20	84.80	99.38	
Synthetic Organic Chemistry	**CC19PCHE3E01**	45.14	98.63	92.27	34.40	46.80	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	61.60	68.91	81.45	81.44	79.14	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	97.22	70.00	96.43	96.06	75.00	
Organometallic Chemistry	**CC19PCHE4E08**	98.67	100.00	97.33	98.36	98.22	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	98.29	98.29	98.29			
Research Project	**CC19PCHE4P01**	82.08	82.08	82.08	82.08	82.08	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	79.15	79.15	79.15	79.15		
Viva voce	**CC19PCHE4V01**	61.33	61.33	61.33	61.33		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ANDREA XAVIER
Register No:	CCAWMCH005
Admission No:	11477
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
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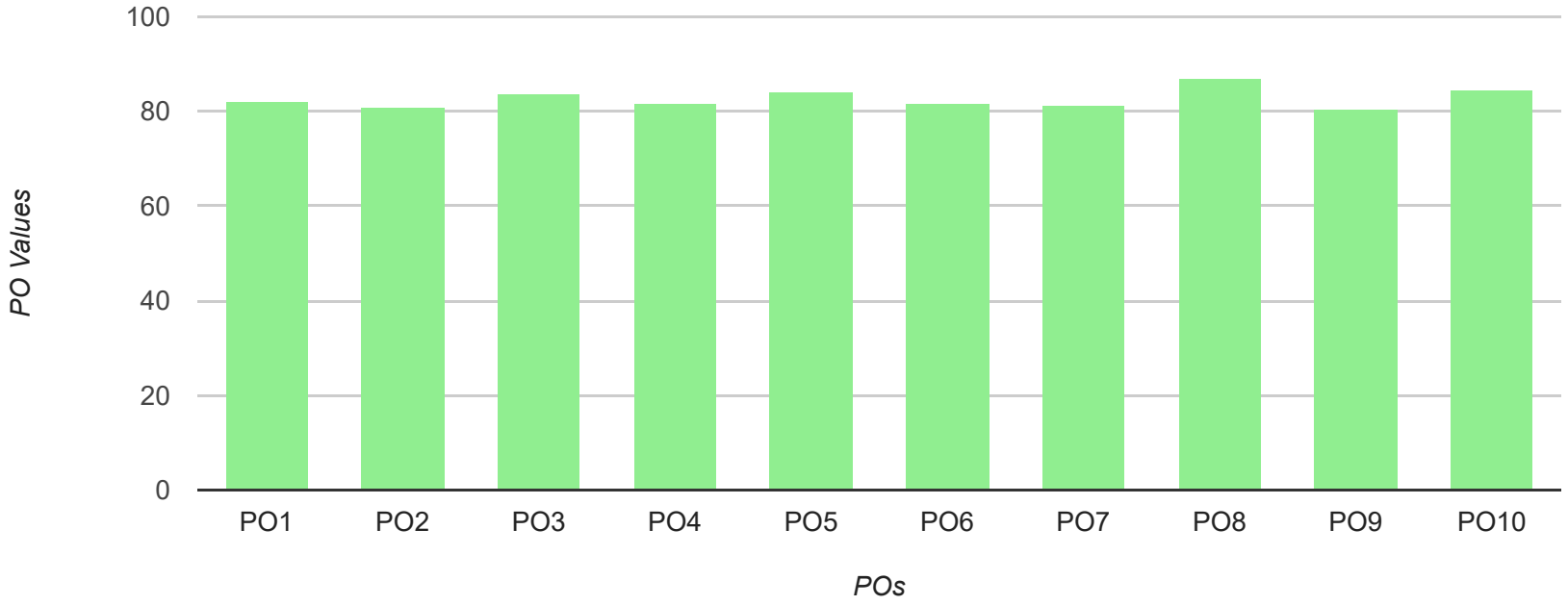
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANDREA XAVIER										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	82.29	80.84	83.70	81.62	84.04	81.62	81.42	86.85	80.56	84.36

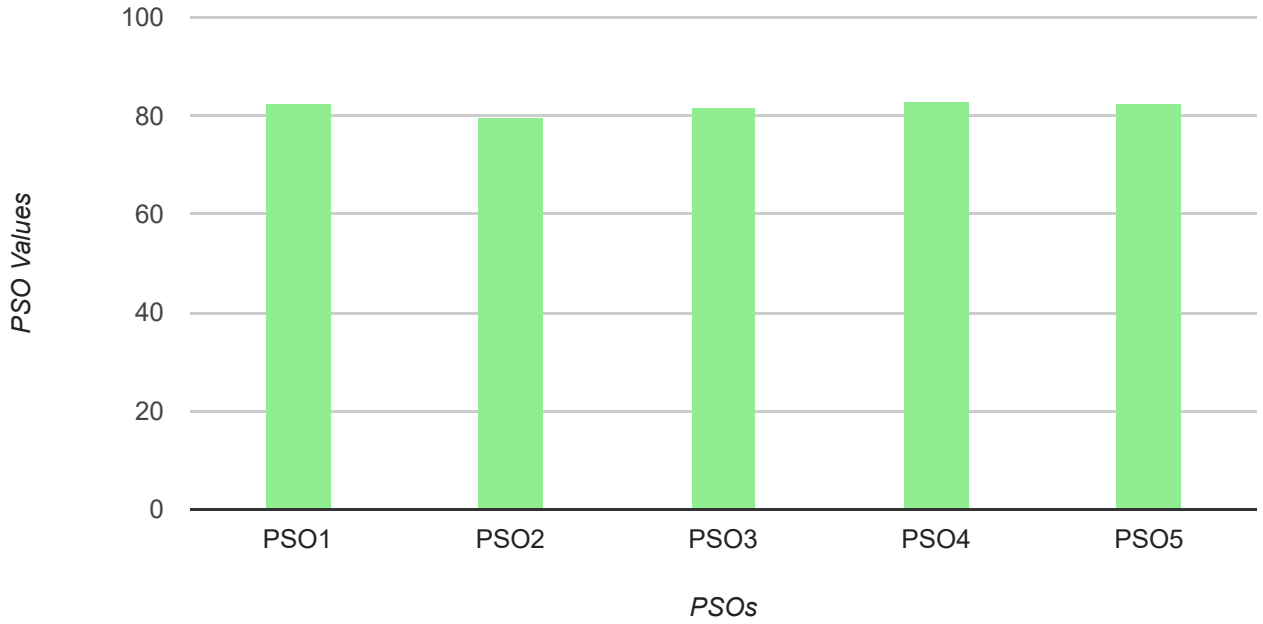


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANDREA XAVIER					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	82.46	79.48	81.53	82.90	82.40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PSO Values
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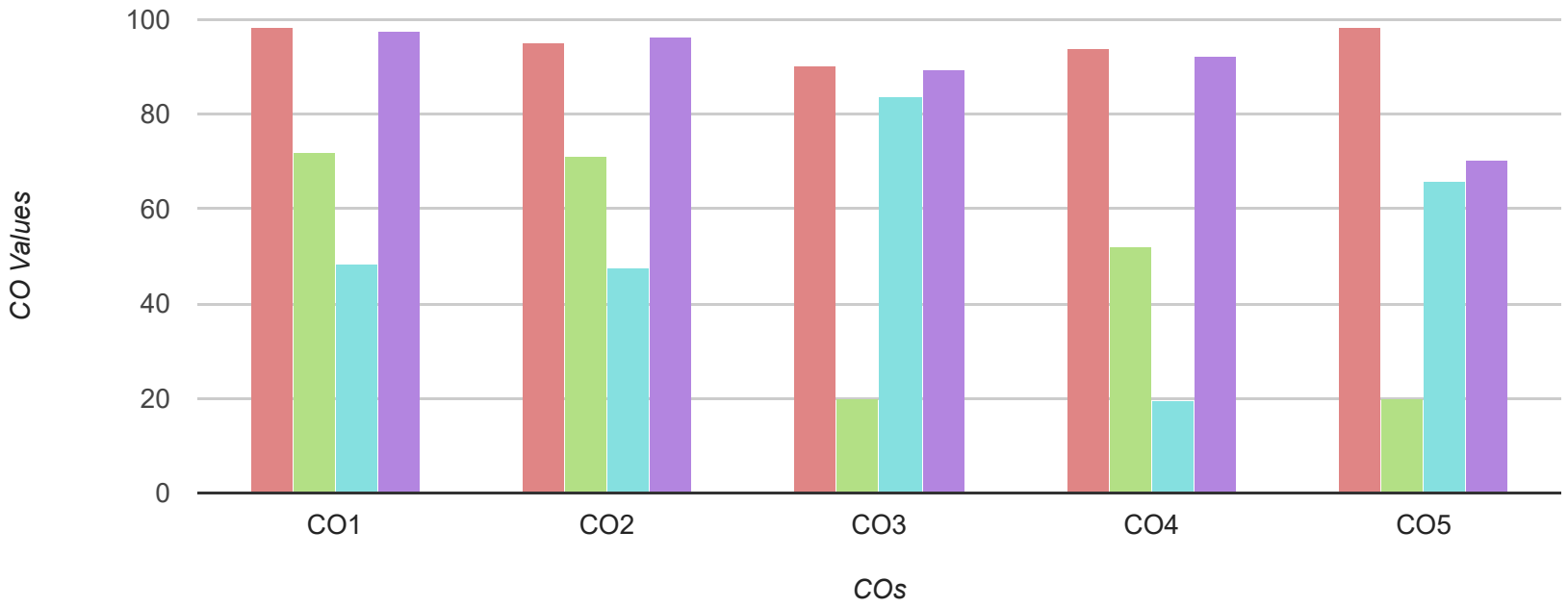
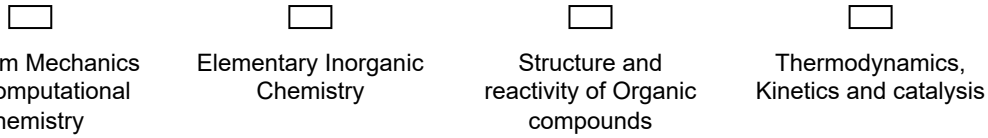
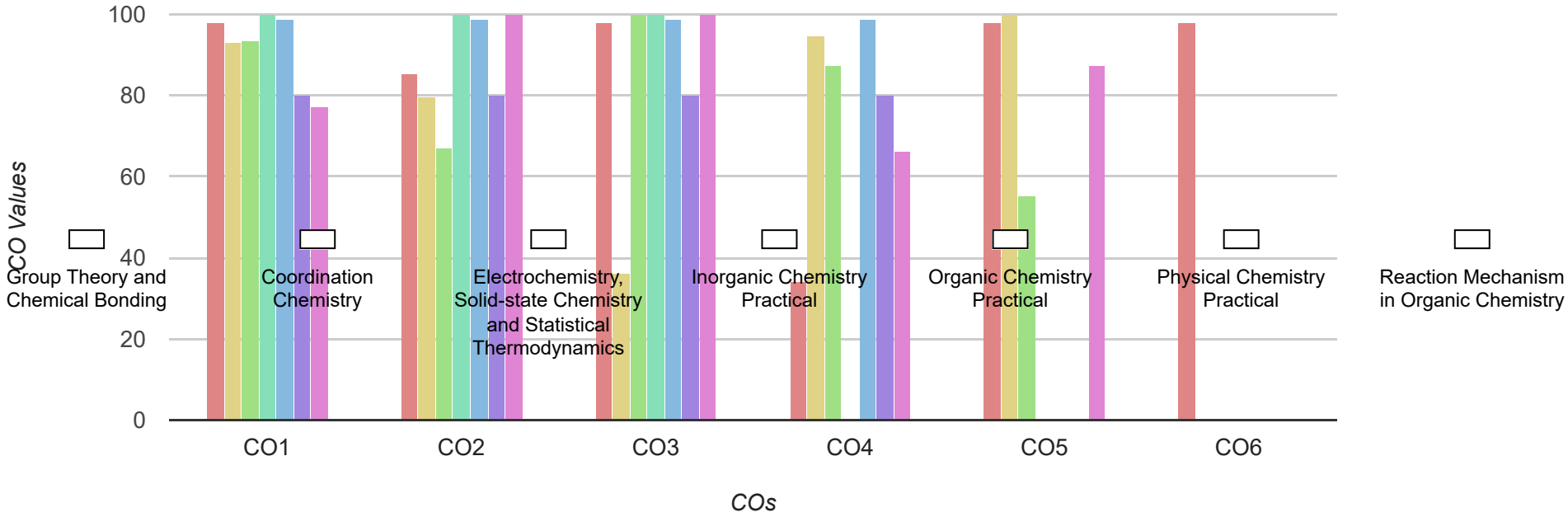
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	98.24	95.04	90.24	93.88	98.24	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	72.00	71.33	20.00	52.00	20.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	48.40	47.60	83.60	19.60	66.00	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	97.60	96.37	89.60	92.27	70.17	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	98.08	85.28	98.08	34.08	98.08	98.08
Coordination Chemistry	**CC19PCHE2C06**	93.02	79.52	36.00	94.88	100.00	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	93.60	67.09	100.00	87.20	55.20	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.72	98.72	98.72	98.72		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	80.00	80.00	80.00	80.00		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	77.35	100.00	100.00	66.40	87.20	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CO Values
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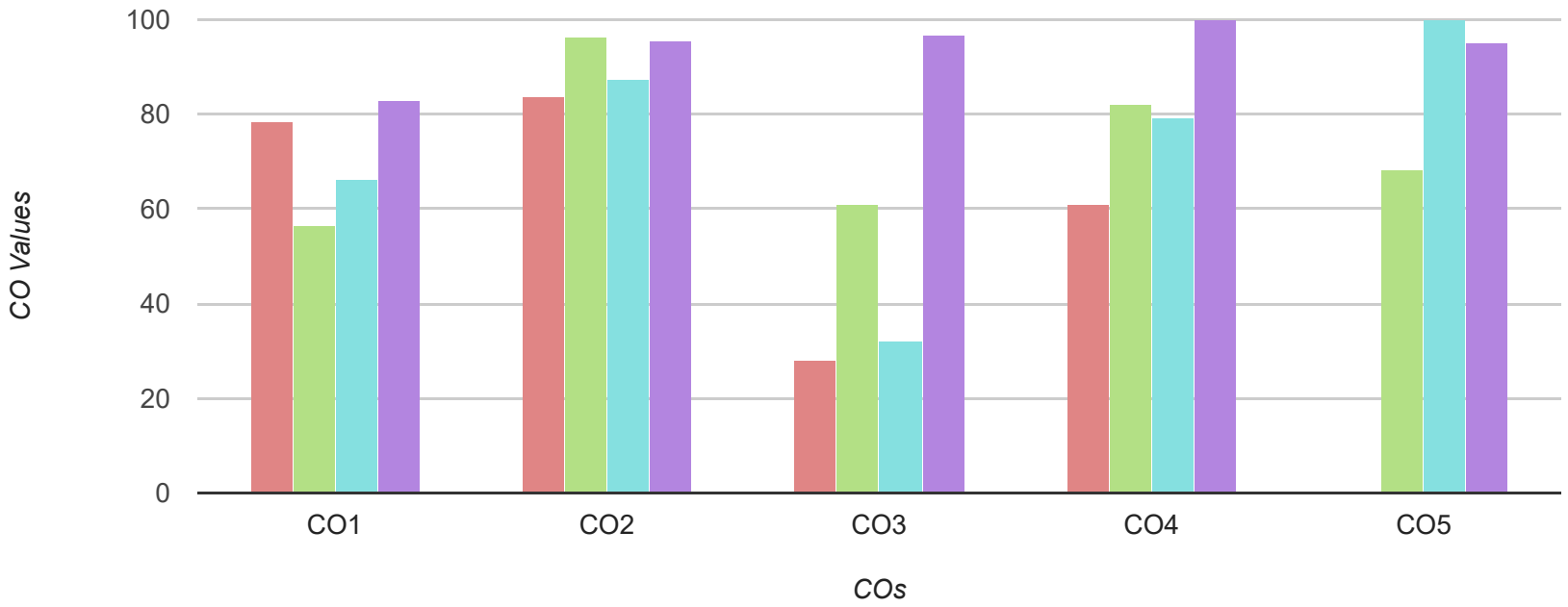
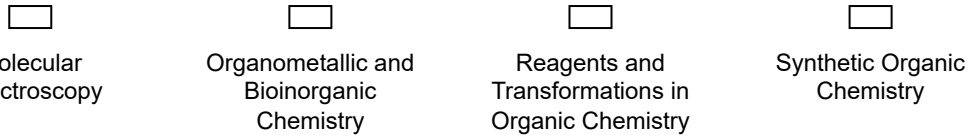
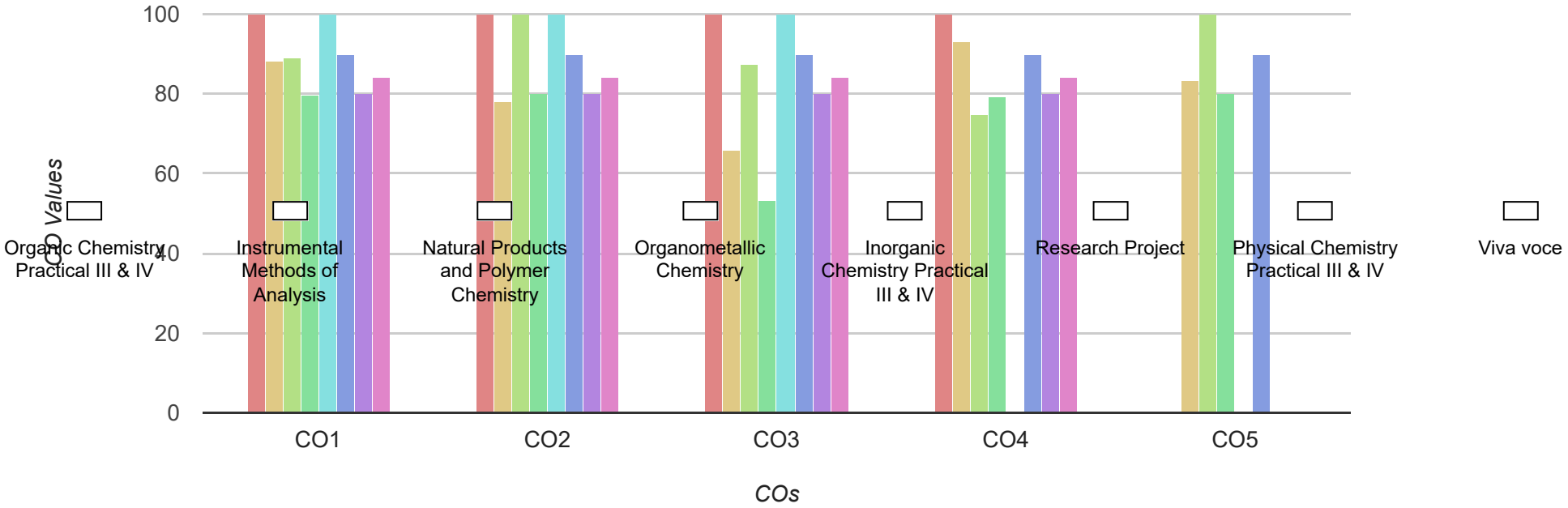
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	78.61	83.61	27.93	60.83		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	56.48	96.20	61.07	82.28	68.19	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	66.13	87.56	32.00	79.40	99.88	
Synthetic Organic Chemistry	**CC19PCHE3E01**	82.93	95.73	96.80	100.00	95.20	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	88.18	78.19	65.87	93.28	83.36	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	89.17	100.00	87.50	75.00	100.00	
Organometallic Chemistry	**CC19PCHE4E08**	79.59	80.00	53.33	79.47	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	89.76	89.76	89.76	89.76	89.76	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	80.00	80.00	80.00	80.00		
Viva voce	**CC19PCHE4V01**	84.00	84.00	84.00	84.00		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ARUN K J
Register No:	CCAWMCH009
Admission No:	11481
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

Program Outcome LIST

PO CODE	PO DESCRIPTION
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PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
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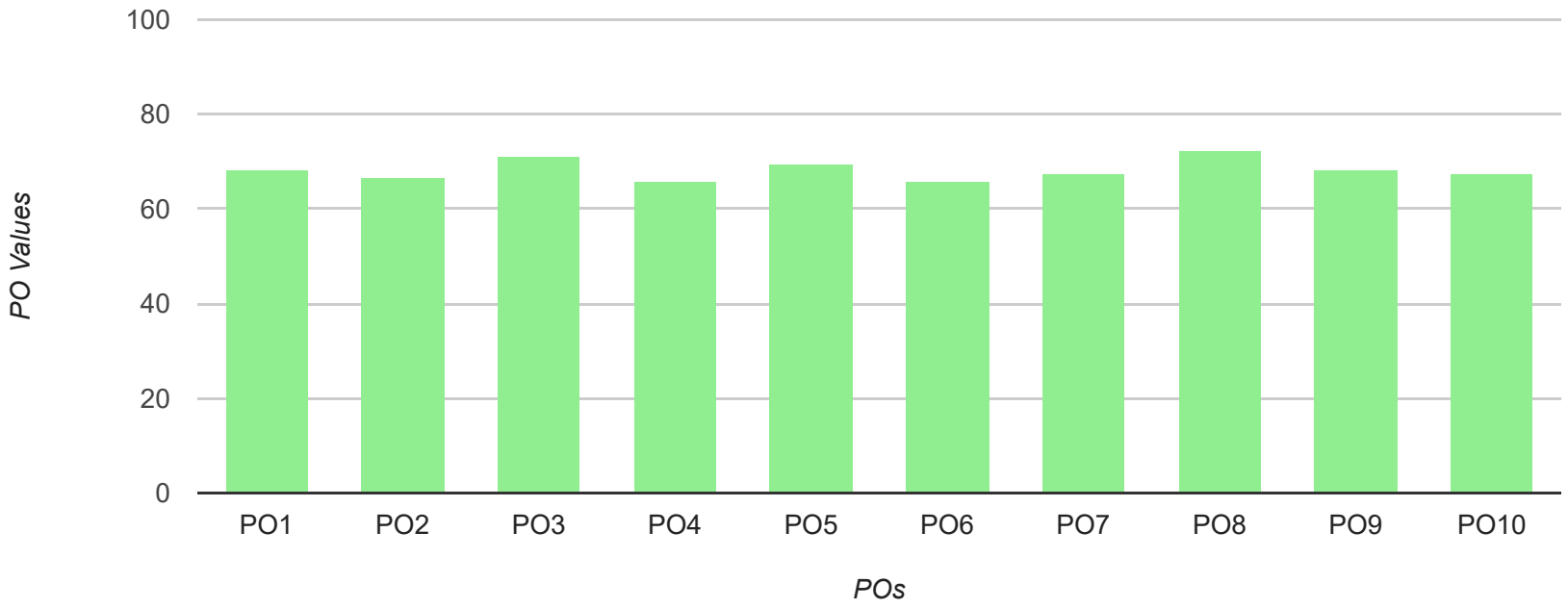
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ARUN K J										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	68.18	66.60	71.01	65.80	69.44	65.96	67.46	72.37	68.19	67.55

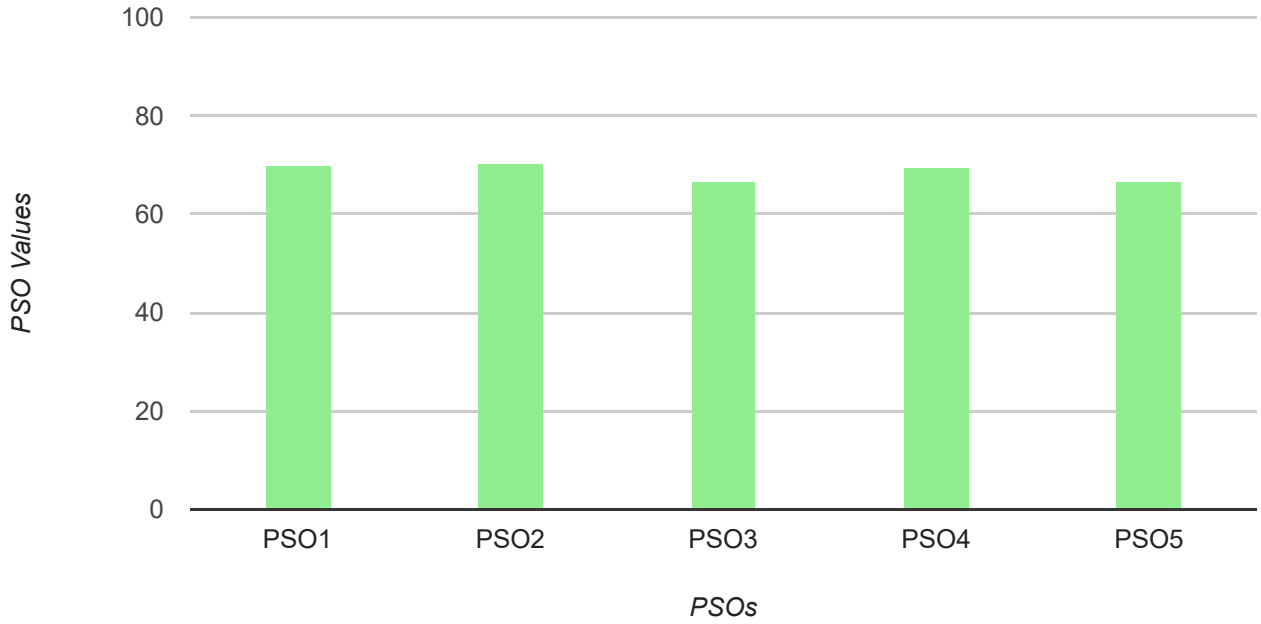


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ARUN K J					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	69.80	70.45	66.49	69.44	66.67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PSO Values
PSO1
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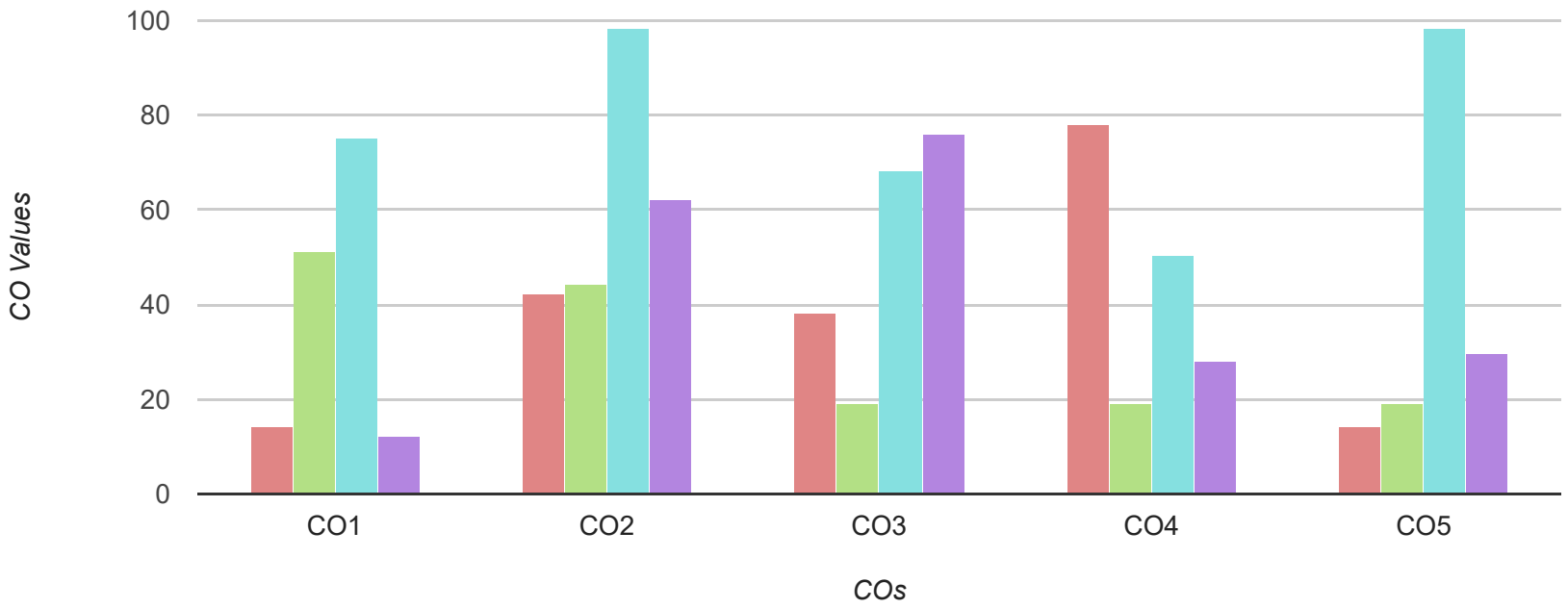
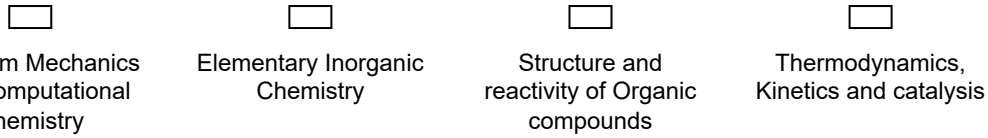
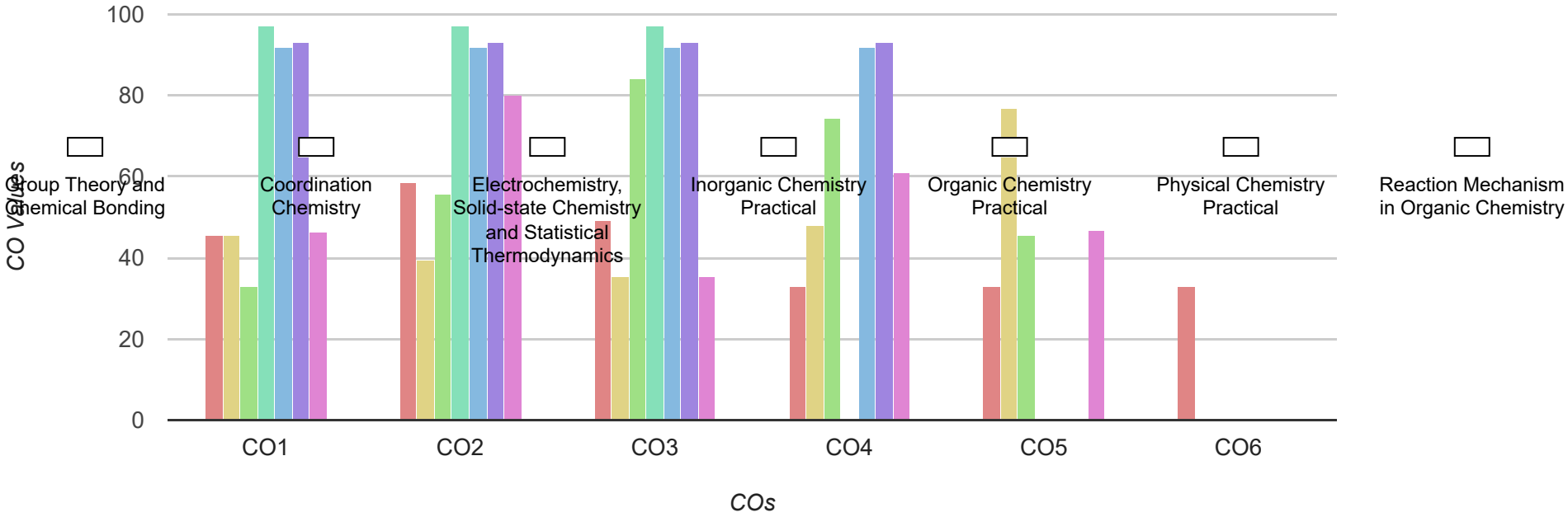
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	14.12	42.12	38.12	78.12	14.12	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	51.20	44.46	19.20	19.20	19.20	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	75.13	98.40	68.40	50.40	98.40	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	12.00	62.00	76.00	28.00	29.60	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	45.60	58.40	49.09	32.80	32.80	32.80
Coordination Chemistry	**CC19PCHE2C06**	45.60	39.63	35.36	48.16	76.96	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	32.80	55.66	84.00	74.40	45.60	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	97.18	97.18	97.18			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	91.89	91.89	91.89	91.89		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	93.17	93.17	93.17	93.17		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	46.33	80.16	35.36	60.96	46.88	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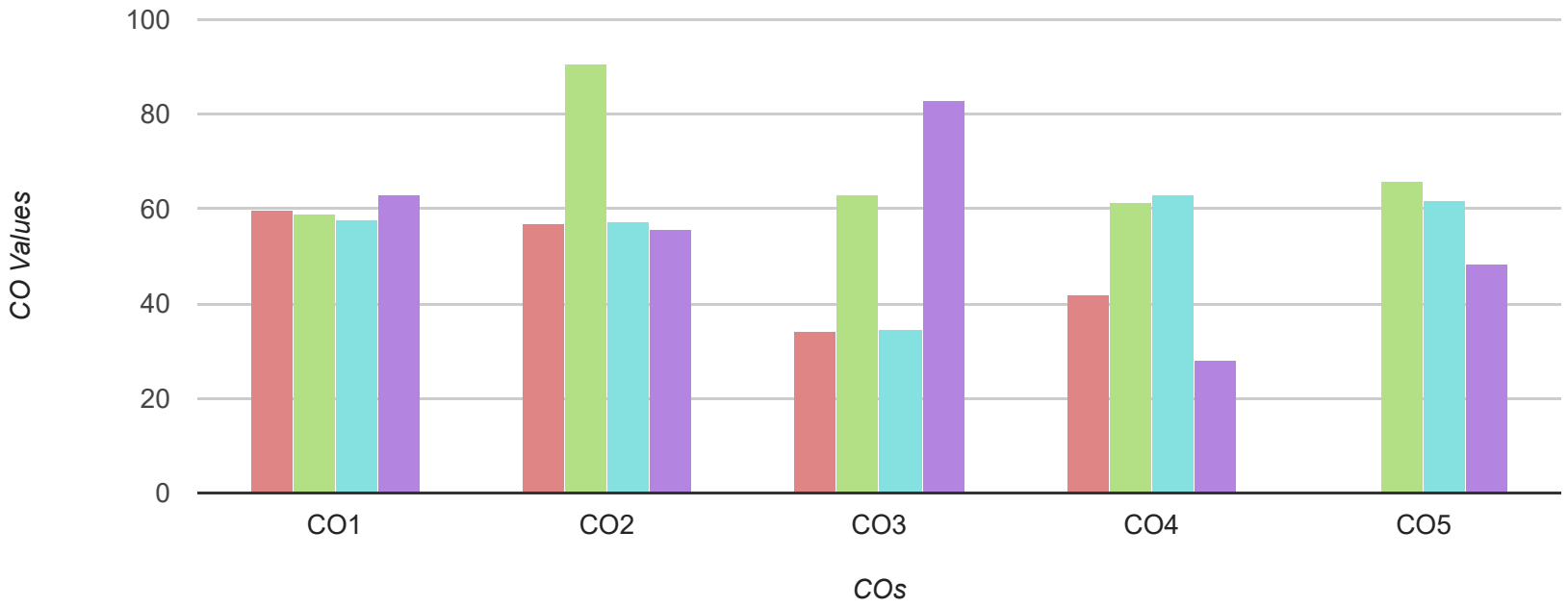
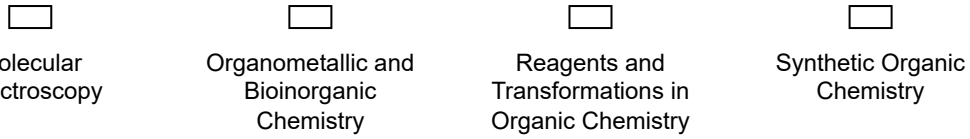
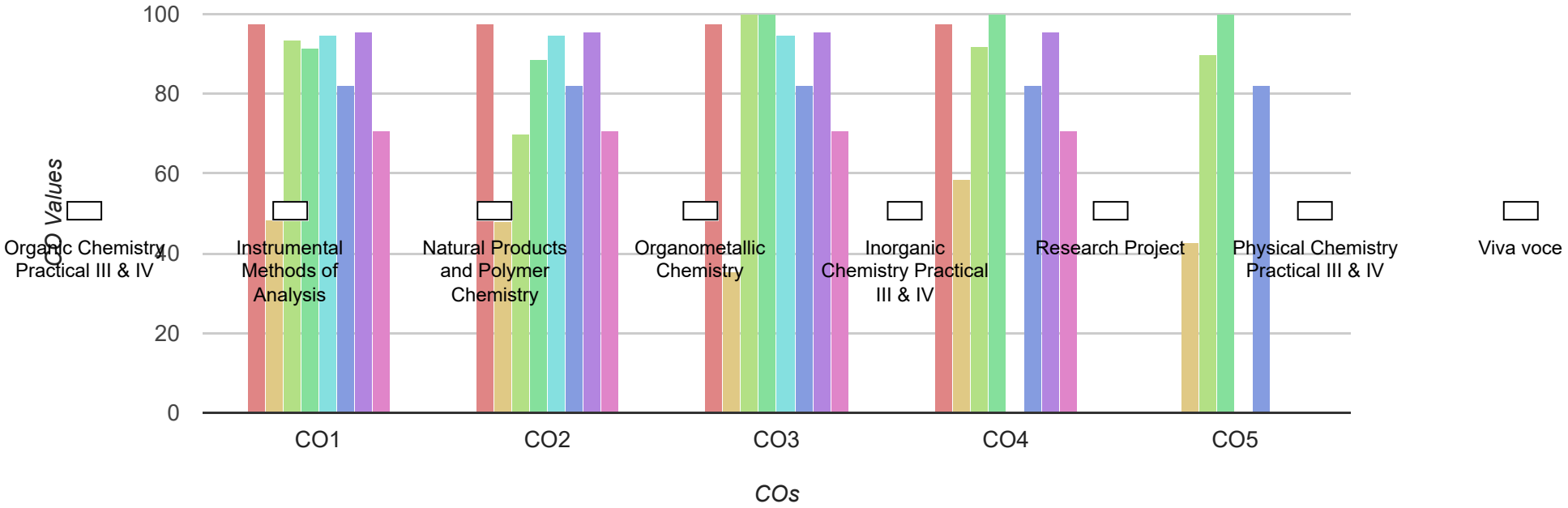
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	59.74	56.90	34.14	41.95		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	58.93	90.65	62.86	61.38	65.91	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	57.60	57.18	34.67	63.20	61.60	
Synthetic Organic Chemistry	**CC19PCHE3E01**	63.19	55.84	82.74	28.00	48.40	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	97.44	97.44	97.44	97.44		
Instrumental Methods of Analysis	**CC19PCHE4C12**	48.27	48.08	35.47	58.40	42.61	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	93.61	70.00	100.00	91.73	90.00	
Organometallic Chemistry	**CC19PCHE4E08**	91.62	88.80	100.00	100.00	100.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	94.88	94.88	94.88			
Research Project	**CC19PCHE4P01**	82.08	82.08	82.08	82.08	82.08	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	95.73	95.73	95.73	95.73		
Viva voce	**CC19PCHE4V01**	70.67	70.67	70.67	70.67		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry (Aided)
Batch:	MSC CHE 2022

Name:	ALEENA C. J
Register No:	CCAWMCH003
Admission No:	11610
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry (Aided)

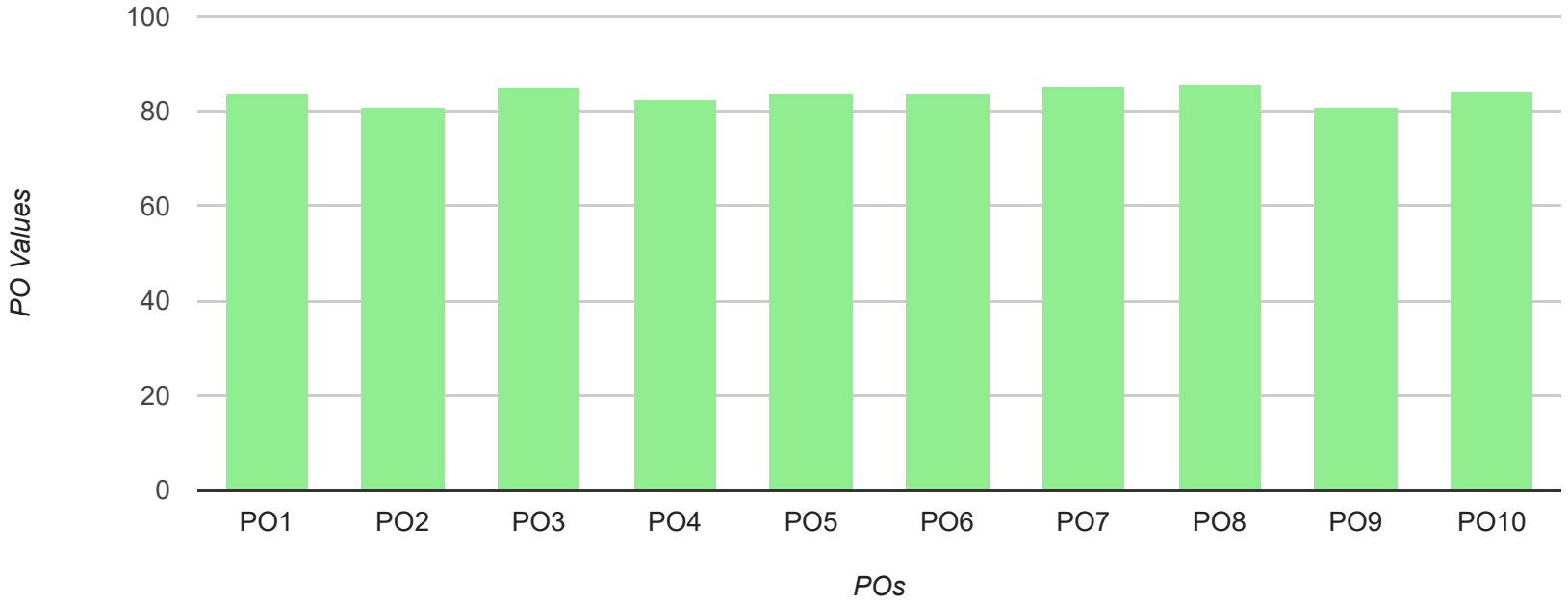
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Thorough knowledge of the chosen discipline.
PO2	An aptitude for research.
PO3	An independent and individual way of thinking and communicating ideas.
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity.
PO6	The know how to function in multidisciplinary domains.
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, , linguistic and religious backgrounds.
PO8	Decision-making and reasoning ability to find solutions to ethical problems.
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized.
PO10	A heightened awareness of environmental issues and necessity of solving them.

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ALEENA C. J										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	83.61	80.92	85.10	82.55	83.62	83.87	85.17	85.89	80.83	84.19

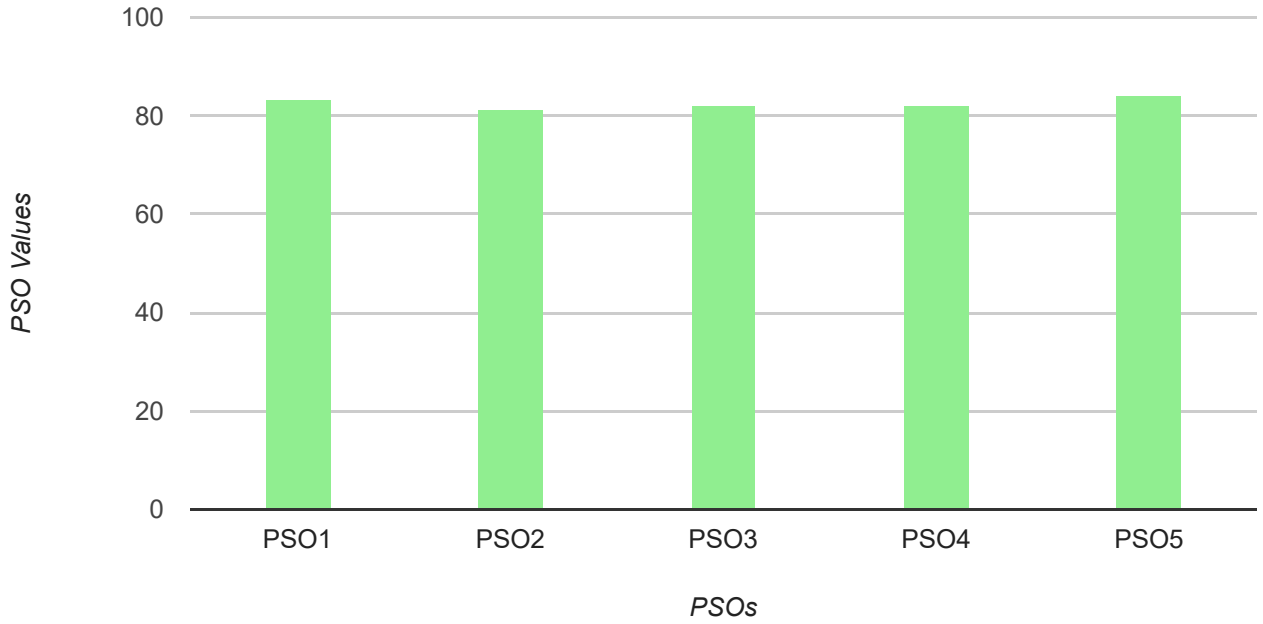


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develop analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry.
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ALEENA C. J					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	83.35	81.49	82.03	82.25	84.15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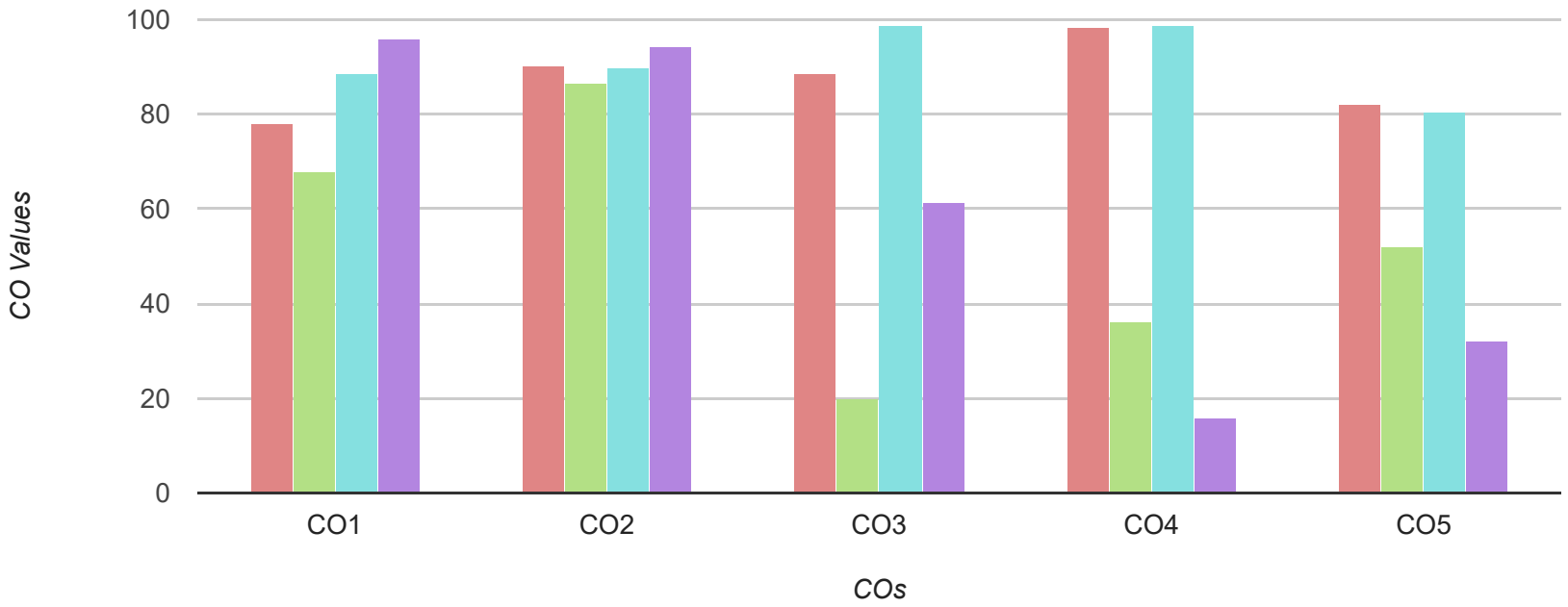
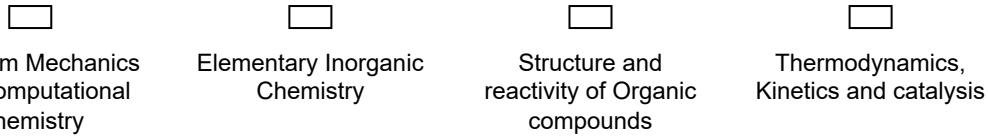
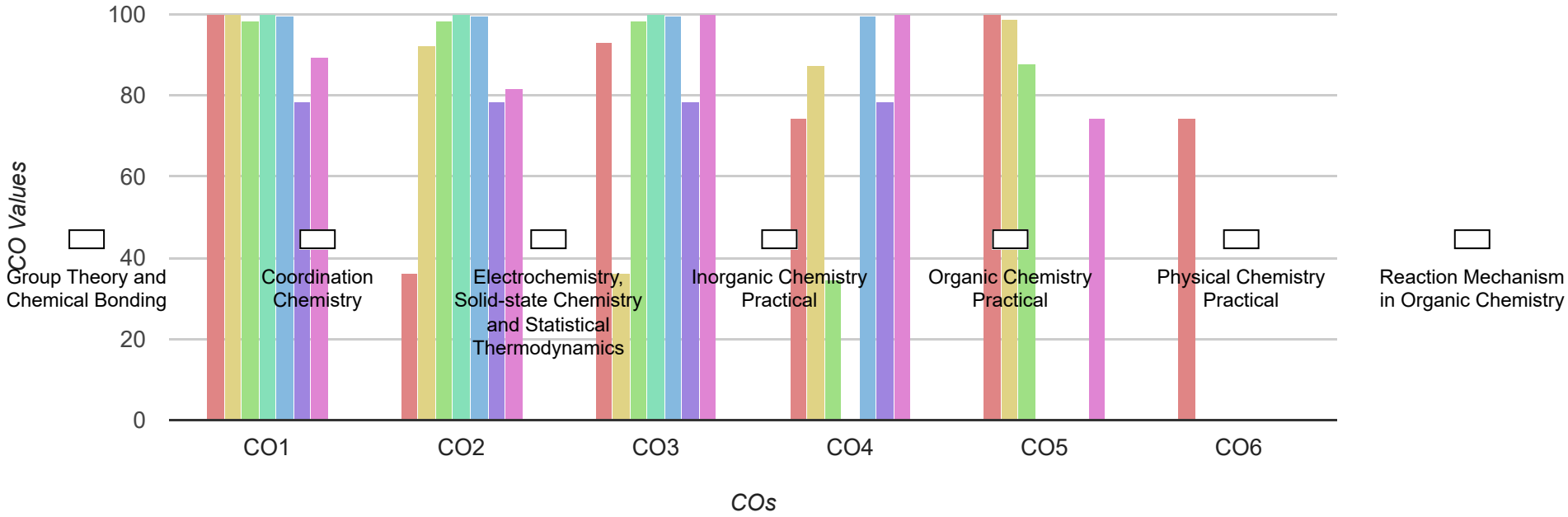
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	78.24	90.24	88.64	98.24	82.24	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	68.00	86.40	20.00	36.00	52.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	88.80	89.91	98.80	98.80	80.51	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	96.00	94.40	61.33	16.00	32.00	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	36.00	92.89	74.40	100.00	74.40
Coordination Chemistry	**CC19PCHE2C06**	100.00	92.32	36.00	87.20	98.58	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	98.40	98.40	98.40	34.40	87.93	
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	99.57	99.57	99.57	99.57		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	78.51	78.51	78.51	78.51		
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	89.33	81.71	100.00	100.00	74.40	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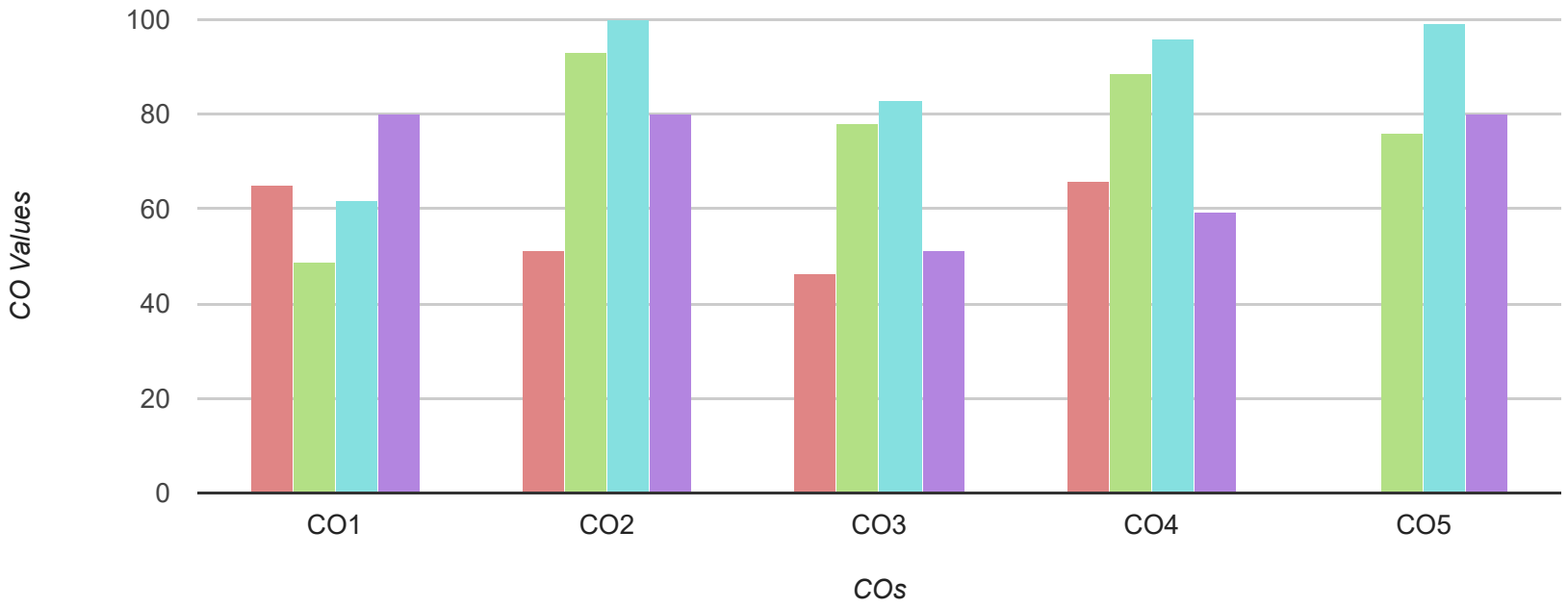
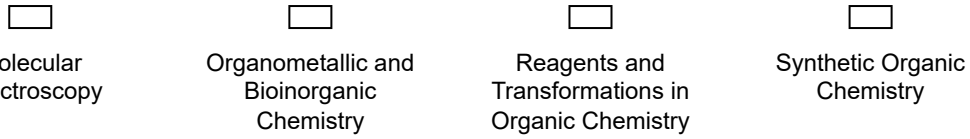
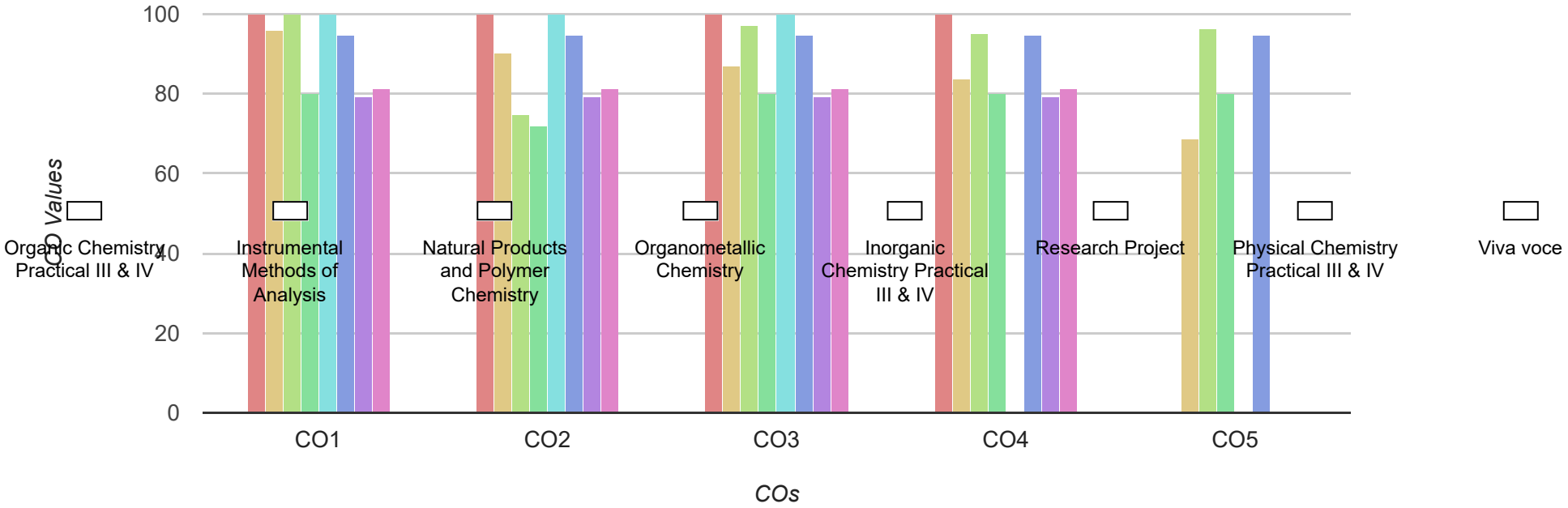
Group Theory and Chemical Bonding
Coordination Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Reaction Mechanism in Organic Chemistry

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	64.86	51.33	46.21	66.05		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	48.80	93.20	78.06	88.76	76.19	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	61.60	99.82	82.93	95.80	99.20	
Synthetic Organic Chemistry	**CC19PCHE3E01**	80.00	80.00	51.20	59.20	80.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	96.06	90.15	86.93	83.93	68.75	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	100.00	75.00	97.32	95.00	96.25	
Organometallic Chemistry	**CC19PCHE4E08**	80.00	72.00	80.00	80.00	80.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	94.88	94.88	94.88	94.88	94.88	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	79.15	79.15	79.15	79.15		
Viva voce	**CC19PCHE4V01**	81.33	81.33	81.33	81.33		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Organometallic Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce